## SAFETY DATA SHEET



Date of issue/Date of revision 5 July 2023

**Version 3** 

### **Section 1. Identification**

Product name : GLADIATOR BLACK TRUCK BED LINER

Product code : GPSP-SEM.56654
Other means of : Not available.

identification Product type

: Liquid.

Relevant identified uses of the substance or mixture and uses advised against

**Product use** : Professional applications.

Use of the substance/

mixture

: Coating.

Uses advised against : Not applicable.

Manufacturer : SEM Products, Inc.

1685 Overview Drive, Rock Hill, SC 29730

**Emergency telephone** 

number

: CHEMTREC 1-800-424-9300

**Technical Phone Number** : 800-831-1122 (Rock Hill, SC) 8:00 a.m. - 4:30 p.m. EST

### Section 2. Hazards identification

**OSHA/HCS** status

: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

: FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A

**RESPIRATORY SENSITIZATION - Category 1** 

SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2

TOXIC TO REPRODUCTION - Category 1B

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -

Category 3

Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 44.8%

(oral), 44.8% (dermal), 46.5% (inhalation)

**GHS label elements** 

United States Page: 1/19

### **Product name GLADIATOR BLACK TRUCK BED LINER**

### Section 2. Hazards identification

### **Hazard pictograms**







#### Signal word

### **Hazard statements**

- : Danger
- : Highly flammable liquid and vapor.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause drowsiness or dizziness. Suspected of causing cancer.

May damage fertility or the unborn child.

#### **Precautionary statements**

#### **Prevention**

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Wear respiratory protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Use only outdoors or in a well-ventilated area. Avoid breathing vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

#### Response

: IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. If experiencing respiratory symptoms: Call a POISON CENTER or doctor. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

#### Storage

: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

## Disposal

Dispose of contents and container in accordance with all local, regional, national and international regulations.

## Supplemental label elements

: Moisture-sensitive material. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Skin contact to isocyanate monomer may lead to allergic lung reaction. Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitization of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.

United States Page: 2/19

Date of issue 5 July 2023

Version 3

**Product name GLADIATOR BLACK TRUCK BED LINER** 

### Section 2. Hazards identification

Hazards not otherwise classified

: May form explosive peroxides. Hazardous reactions or instability may occur under certain conditions of storage or use. Prolonged or repeated contact may dry skin and cause irritation.

### Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product name : GLADIATOR BLACK TRUCK BED LINER

| Ingredient name                                 | %            | CAS number |
|---|--------------|------------|
| acetone   | ≥20 - ≤50    | 67-64-1    |
| 4-chloro-α,α,α-trifluorotoluene                 | ≥10 - <20    | 98-56-6    |
| n-butyl acetate                                 | ≥5.0 - ≤10   | 123-86-4   |
| 2-methoxy-1-methylethyl acetate                 | ≥1.0 - ≤5.0  | 108-65-6   |
| ethyl 3-ethoxypropionate                        | ≥1.0 - ≤5.0  | 763-69-9   |
| 2-butoxyethanol                                 | ≥0.10 - ≤2.2 | 111-76-2   |
| carbon black                                    | ≤1.0         | 1333-86-4  |
| dibutyltin dilaurate                            | <1.0         | 77-58-7    |
| 4-isocyanatosulphonyltoluene                    | <1.0         | 4083-64-1  |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate | <1.0         | 41556-26-7 |
| toluene   | <1.0         | 108-88-3   |
| maleic anhydride                                | <0.10        | 108-31-6   |

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

### **Description of necessary first aid measures**

Eye contact

: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

Inhalation

: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

**Skin contact** 

: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

Ingestion

: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed

Potential acute health effects

**Eye contact** : Causes serious eye irritation.

United States Page: 3/19

Date of issue 5 July 2023

Version 3

#### Product name GLADIATOR BLACK TRUCK BED LINER

### Section 4. First aid measures

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or

dizziness. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction. Skin contact

Ingestion Can cause central nervous system (CNS) depression.

Over-exposure signs/symptoms

**Eve contact** : Adverse symptoms may include the following:

> pain or irritation watering redness

Inhalation : Adverse symptoms may include the following:

wheezing and breathing difficulties

asthma

nausea or vomiting

headache

drowsiness/fatique dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations

Skin contact : Adverse symptoms may include the following:

> irritation redness dryness cracking

reduced fetal weight increase in fetal deaths skeletal malformations

Ingestion : Adverse symptoms may include the following:

> reduced fetal weight increase in fetal deaths skeletal malformations

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed.

The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments** : No specific treatment.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is

suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water

before removing it, or wear gloves.

See toxicological information (Section 11)

**United States** Page: 4/19

Date of issue 5 July 2023

Version 3

Product name GLADIATOR BLACK TRUCK BED LINER

### Section 5. Fire-fighting measures

### **Extinguishing media**

Suitable extinguishing

media

**Unsuitable extinguishing** 

media

: Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

: Do not use water jet.

Specific hazards arising from the chemical

: Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

**Hazardous thermal** decomposition products Decomposition products may include the following materials:

carbon oxides

halogenated compounds

carbonyl halides metal oxide/oxides

**Special protective actions** for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective** equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

**Environmental precautions** 

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

> **United States** Page: 5/19

Date of issue 5 July 2023

Version 3

Product name GLADIATOR BLACK TRUCK BED LINER

### Section 6. Accidental release measures

### Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

#### **Special provisions**

: Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Place in a suitable container. The contaminated area should be cleaned immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts) and concentrated (d: 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts) and water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in an unsealed container. Once this stage is reached, close container and dispose of according to local regulations (see section 13). Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

### Section 7. Handling and storage

#### Precautions for safe handling

#### **Protective measures**

: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

### **Special precautions**

: Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. May form explosive peroxides. Keep away from combustible materials. Avoid shock and friction. Avoid all possible sources of ignition (spark or flame). If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

## Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

United States Page: 6/19

### Product name GLADIATOR BLACK TRUCK BED LINER

### Section 7. Handling and storage

including any incompatibilities

Conditions for safe storage, : Do not store above the following temperature: 50°C (122°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Precautions should be taken to minimize exposure to atmospheric humidity or water.

CO<sub>2</sub> will be formed, which, in closed containers, could result in pressurization.

**United States** 

Page: 7/19

## Section 8. Exposure controls/personal protection

#### **Control parameters**

### Occupational exposure limits

| Exposure limits                           |
|---|
| ACGIH TLV (United States, 1/2022).        |
| STEL: 500 ppm 15 minutes.                 |
| TWA: 250 ppm 8 hours.                     |
| OSHA PEL (United States, 5/2018).         |
| TWA: 2400 mg/m <sup>3</sup> 8 hours.      |
| TWA: 1000 ppm 8 hours.                    |
| IPEL (-).                                 |
| TWA: 0.57 ppm                             |
| STEL: 1.71 ppm                            |
| OSHA PEL (United States, 5/2018).         |
| TWA: 710 mg/m³ 8 hours.                   |
| TWA: 150 ppm 8 hours.                     |
| ACGIH TLV (United States, 1/2022). [Butyl |
| acetates all isomers]                     |
| STEL: 150 ppm 15 minutes.                 |
| TWA: 50 ppm 8 hours.                      |
| IPEL (-, 10/2017). Absorbed through skin. |
| TWA: 30 ppm                               |
| STEL: 90 ppm                              |
| IPEL (-).                                 |
| TWA: 50 ppm                               |
| STEL: 100 ppm                             |
| ACGIH TLV (United States, 1/2022).        |
| TWA: 20 ppm 8 hours.                      |
| OSHA PEL (United States, 5/2018).         |
| Absorbed through skin.                    |
| TWA: 240 mg/m³ 8 hours.                   |
| TWA: 50 ppm 8 hours.                      |
| ACGIH TLV (United States, 1/2022).        |
| TWA: 3 mg/m³ 8 hours. Form: Inhalable     |
| fraction                                  |
| OSHA PEL (United States, 5/2018).         |
| TWA: 3.5 mg/m <sup>3</sup> 8 hours.       |
| ACGIH TLV (United States, 1/2022). [Tin,  |
|   |

Date of issue 5 July 2023

Version 3

Product name GLADIATOR BLACK TRUCK BED LINER

### Section 8. Exposure controls/personal protection

organic compounds as Sn] Absorbed through skin.

STEL: 0.2 mg/m³, (as Sn) 15 minutes. TWA: 0.1 mg/m³, (as Sn) 8 hours.

OSHA PEL (United States, 5/2018). [Tin, organic compounds (as Sn)]

TWA: 0.1 mg/m³, (as Sn) 8 hours. **OSHA PEL (United States).** 

TWA: 0.1 mg/m³, (as Sn)

None. None.

OSHA PEL Z2 (United States, 2/2013).

AMP: 500 ppm 10 minutes.

CEIL: 300 ppm

TWA: 200 ppm 8 hours.

ACGIH TLV (United States, 1/2022).

Ototoxicant.

TWA: 20 ppm 8 hours.

ACGIH TLV (United States, 1/2022). Skin sensitizer. Inhalation sensitizer.

TWA: 0.01 mg/m<sup>3</sup> 8 hours. Form: Inhalable

fraction and vapor

OSHA PEL (United States, 5/2018).

TWA: 1 mg/m<sup>3</sup> 8 hours. TWA: 0.25 ppm 8 hours.

#### Key to abbreviations

= Acceptable Maximum Peak

4-isocyanatosulphonyltoluene

toluene

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

ACGIH = American Conference of Governmental Industrial Hygienists.

= Ceiling Limit = Fume

maleic anhydride

**IPEL** = Internal Permissible Exposure Limit

OSHA = Occupational Safety and Health Administration.

R = Respirable

= OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

S = Potential skin absorption SR = Respiratory sensitization

SS = Skin sensitization

STFL Short term Exposure limit values

= Total dust TD

TLV = Threshold Limit Value TWA = Time Weighted Average

### Consult local authorities for acceptable exposure limits.

procedures

Recommended monitoring: Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure** controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Individual protection measures**

**United States** Page: 8/19

Date of issue 5 July 2023

**Version 3** 

Product name GLADIATOR BLACK TRUCK BED LINER

### Section 8. Exposure controls/personal protection

**Hygiene measures** 

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** 

: Chemical splash goggles.

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Gloves** 

: butyl rubber

**Body protection** 

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: Use an air-fed respirator unless a site-specific assessment determines that an air-fed respirator is not necessary, in which case the results of the risk assessment should be utilized to determine whether respiratory protection is necessary and what type of protection is appropriate. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

The respiratory protection shall be in accordance to 29 CFR 1910.134.

Restrictions on use

: Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used.

### Section 9. Physical and chemical properties

**Appearance** 

Physical state : Liquid.

Color : Not available.

Odor : Not available.

Odor threshold : Not available.

pH : Not available.

Melting point : Not available.

Boiling point : >37.78°C (>100°F)

Flash point : Closed cup: <0°C (<32°F)

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Flammability : Not available.

United States Page: 9/19

#### **Product name GLADIATOR BLACK TRUCK BED LINER**

### Section 9. Physical and chemical properties

Lower and upper explosive

(flammable) limits

: Not available.

Evaporation rate: Not available.Vapor pressure: Not available.Vapor density: Not available.

Relative density : 1.11 Density ( lbs / gal ) : 9.26

Media Result

cold water Partially soluble

Partition coefficient: n-

octanol/water

Solubility(ies)

: Not applicable.

**Viscosity** : Kinematic (40°C (104°F)): <20 mm<sup>2</sup>/s (<20 cSt)

**Volatility** : 48% (w/w) **% Solid.** (w/w) : 52.15

### Section 10. Stability and reactivity

**Reactivity**: No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability**: The product is stable.

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : In a fire, hazardous decomposition products may be produced.

Refer to protective measures listed in sections 7 and 8.

**Incompatible materials**: Keep away from: oxidizing agents, strong alkalis, strong acids, amines, alcohols, water.

Uncontrolled exothermic reactions occur with amines and alcohols.

Hazardous decomposition

products

: Depending on conditions, decomposition products may include the following materials: carbon oxides halogenated compounds carbonyl halides metal oxide/oxides

### **Section 11. Toxicological information**

<u>Information on toxicological effects</u>

**Acute toxicity** 

United States Page: 10/19

Date of issue 5 July 2023

**Version 3** 

### **Product name GLADIATOR BLACK TRUCK BED LINER**

### **Section 11. Toxicological information**

| Product/ingredient name                             | Result                | Species | Dose                    | Exposure |
|---|-----------------------|---------|-------------------------|----------|
| acetone   | LC50 Inhalation Vapor | Rat     | 76000 mg/m <sup>3</sup> | 4 hours  |
|   | LD50 Dermal           | Rabbit  | 15.8 g/kg               | -        |
|   | LD50 Oral             | Rat     | 5800 mg/kg              | -        |
| 4-chloro-α,α,α-trifluorotoluene                     | LC50 Inhalation Vapor | Rat     | 33080 mg/m <sup>3</sup> | 4 hours  |
|   | LD50 Dermal           | Rabbit  | >2.7 g/kg               | -        |
|   | LD50 Oral             | Rat     | 13 g/kg                 | -        |
| n-butyl acetate                                     | LC50 Inhalation Vapor | Rat     | >21.1 mg/l              | 4 hours  |
| _   | LC50 Inhalation Vapor | Rat     | 2000 ppm                | 4 hours  |
|   | LD50 Dermal           | Rabbit  | >17600 mg/kg            | -        |
|   | LD50 Oral             | Rat     | 10.768 g/kg             | -        |
| 2-methoxy-1-methylethyl acetate                     | LC50 Inhalation Vapor | Rat     | 30 mg/l                 | 4 hours  |
|   | LD50 Dermal           | Rabbit  | >5 g/kg                 | -        |
|   | LD50 Oral             | Rat     | 6190 mg/kg              | -        |
| ethyl 3-ethoxypropionate                            | LD50 Dermal           | Rabbit  | >5 g/kg                 | -        |
|   | LD50 Oral             | Rat     | 3200 mg/kg              | -        |
| 2-butoxyethanol                                     | LC50 Inhalation Vapor | Rat     | 3 mg/l                  | 4 hours  |
|   | LD50 Dermal           | Rat     | >2000 mg/kg             | -        |
|   | LD50 Oral             | Rat     | 1200 mg/kg              | -        |
| carbon black  | LD50 Oral             | Rat     | >10 g/kg                | -        |
| dibutyltin dilaurate                                | LD50 Oral             | Rat     | 2071 mg/kg              | -        |
| 4-isocyanatosulphonyltoluene                        | LD50 Oral             | Rat     | 2234 mg/kg              | -        |
| bis(1,2,2,6,6-pentamethyl-<br>4-piperidyl) sebacate | LD50 Oral             | Rat     | 3.125 g/kg              | -        |
| toluene   | LC50 Inhalation Vapor | Rat     | 49 g/m³                 | 4 hours  |
| loluone   | LD50 Dermal           | Rabbit  | 8.39 g/kg               | _        |
|   | LD50 Oral             | Rat     | 5580 mg/kg              |          |
| maleic anhydride                                    | LD50 Dermal           | Rabbit  | 2620 mg/kg              | _        |
| Thatelo allifyunde                                  | LD50 Oral             | Rat     | 400 mg/kg               | -        |

### **Conclusion/Summary Irritation/Corrosion**

: There are no data available on the mixture itself.

| Product/ingredient name | Result                                      | Species          | Score | Exposure            | Observation        |
|-------------------------|---|------------------|-------|---------------------|--------------------|
| 2-butoxyethanol         | Eyes - Irritant<br>Skin - Moderate irritant | Rabbit<br>Rabbit | -     | 24 hours<br>4 hours | 21 days<br>28 days |

### Conclusion/Summary

Skin : There are no data available on the mixture itself. **Eyes** : There are no data available on the mixture itself. : There are no data available on the mixture itself. Respiratory

### **Sensitization**

**Conclusion/Summary** 

Skin : There are no data available on the mixture itself. Respiratory : There are no data available on the mixture itself.

### **Mutagenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Carcinogenicity** 

**Conclusion/Summary** : There are no data available on the mixture itself.

> **United States** Page: 11/19

Date of issue 5 July 2023

Version 3

### **Product name GLADIATOR BLACK TRUCK BED LINER**

### **Section 11. Toxicological information**

### **Classification**

| Product/ingredient name         | OSHA | IARC | NTP |
|---------------------------------|------|------|-----|
| 4-chloro-α,α,α-trifluorotoluene | -    | 2B   | -   |
| 2-butoxyethanol                 | -    | 3    | -   |
| carbon black                    | -    | 2B   | -   |
| toluene                         | -    | 3    | -   |

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

**Reproductive toxicity** 

**Conclusion/Summary**: There are no data available on the mixture itself.

**Teratogenicity** 

**Conclusion/Summary**: There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

| Name                            | Category   | Route of exposure | Target organs                |
|---------------------------------|------------|-------------------|------------------------------|
| acetone                         | Category 3 | -                 | Narcotic effects             |
| 4-chloro-α,α,α-trifluorotoluene | Category 3 | -                 | Respiratory tract irritation |
| n-butyl acetate                 | Category 3 | -                 | Narcotic effects             |
| 2-methoxy-1-methylethyl acetate | Category 3 | -                 | Narcotic effects             |
| dibutyltin dilaurate            | Category 1 | -                 | thymus                       |
| 4-isocyanatosulphonyltoluene    | Category 3 | -                 | Respiratory tract irritation |
| toluene                         | Category 3 | -                 | Narcotic effects             |

### Specific target organ toxicity (repeated exposure)

| Name                 |            | Route of exposure | Target organs      |
|----------------------|------------|-------------------|--------------------|
| dibutyltin dilaurate | Category 1 | oral              | immune system      |
| toluene              | Category 2 | -                 | -                  |
| maleic anhydride     | Category 1 | inhalation        | respiratory system |

### **Target organs**

: Contains material which causes damage to the following organs: brain, central nervous system (CNS).

Contains material which may cause damage to the following organs: blood, kidneys, liver, gastrointestinal tract, upper respiratory tract, immune system, skin, adrenal, eye, lens or cornea.

### **Aspiration hazard**

| Name    | Result                         |
|---------|--------------------------------|
| toluene | ASPIRATION HAZARD - Category 1 |

### Information on the likely routes of exposure

### Potential acute health effects

|  | <b>United States</b> | Page: 12/19 |
|--|----------------------|-------------|
|--|----------------------|-------------|

Product code GPSP-SEM.56654 Date of issue 5 July

Date of issue 5 July 2023 Version 3

#### Product name GLADIATOR BLACK TRUCK BED LINER

### **Section 11. Toxicological information**

**Eye contact** : Causes serious eye irritation.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or

dizziness. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Skin contact**: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.

**Ingestion** : Can cause central nervous system (CNS) depression.

Over-exposure signs/symptoms

**Eye contact**: Adverse symptoms may include the following:

pain or irritation

watering redness

**Inhalation** : Adverse symptoms may include the following:

wheezing and breathing difficulties

asthma

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations

**Skin contact**: Adverse symptoms may include the following:

irritation redness dryness cracking

reduced fetal weight increase in fetal deaths skeletal malformations

**Ingestion**: Adverse symptoms may include the following:

reduced fetal weight increase in fetal deaths skeletal malformations

#### Delayed and immediate effects and also chronic effects from short and long term exposure

**Conclusion/Summary** 

: There are no data available on the mixture itself. Skin contact to isocyanate monomer may lead to allergic lung reaction. Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitization of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

United States Page: 13/19

Product code GPSP-SEM.56654 Date of issue 5 July 2023

### **Product name GLADIATOR BLACK TRUCK BED LINER**

### Section 11. Toxicological information

Short term exposure

**Potential immediate** : There are no data available on the mixture itself.

effects

Potential delayed effects : There are no data available on the mixture itself.

Long term exposure

Potential immediate : There are no data available on the mixture itself.

effects

Potential delayed effects : There are no data available on the mixture itself.

Potential chronic health effects

General : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or

dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently

Version 3

exposed to very low levels.

Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of

exposure.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity**: May damage fertility or the unborn child.

### **Numerical measures of toxicity**

### **Acute toxicity estimates**

| Product/ingredient name                         | Oral (mg/<br>kg) | Dermal<br>(mg/kg) | Inhalation<br>(gases)<br>(ppm) | Inhalation<br>(vapors)<br>(mg/l) | Inhalation<br>(dusts and<br>mists) (mg/<br>I) |
|---|------------------|-------------------|--------------------------------|----------------------------------|---|
| GLADIATOR BLACK TRUCK BED LINER                 | 59656.5          | 10268.4           | N/A                            | 144.6                            | N/A   |
| acetone   | 5800             | 15800             | N/A                            | 76                               | N/A   |
| 4-chloro-α,α,α-trifluorotoluene                 | 13000            | 2500              | N/A                            | 33.08                            | N/A   |
| n-butyl acetate                                 | 10768            | N/A               | N/A                            | N/A                              | N/A   |
| 2-methoxy-1-methylethyl acetate                 | 6190             | N/A               | N/A                            | 30                               | N/A   |
| ethyl 3-ethoxypropionate                        | 3200             | N/A               | N/A                            | N/A                              | N/A   |
| 2-butoxyethanol                                 | 1200             | 2500              | N/A                            | 3                                | N/A   |
| dibutyltin dilaurate                            | 2071             | N/A               | N/A                            | N/A                              | N/A   |
| 4-isocyanatosulphonyltoluene                    | 2234             | N/A               | N/A                            | N/A                              | N/A   |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate | 3125             | N/A               | N/A                            | N/A                              | N/A   |
| toluene   | 5580             | 8390              | N/A                            | 49                               | N/A   |
| maleic anhydride                                | 400              | 2620              | N/A                            | N/A                              | N/A   |

### **Section 12. Ecological information**

**Toxicity** 

United States Page: 14/19

Date of issue 5 July 2023

Version 3

### **Product name GLADIATOR BLACK TRUCK BED LINER**

## Section 12. Ecological information

| Product/ingredient name         | Result                               | Species                                    | Exposure |
|---------------------------------|--------------------------------------|--|----------|
| acetone                         | Acute LC50 4.42589 ml/L Marine water | Crustaceans - Acartia tonsa -<br>Copepodid | 48 hours |
|                                 | Acute LC50 5540 mg/l                 | Fish                                       | 96 hours |
| n-butyl acetate                 | Acute LC50 18 mg/l                   | Fish                                       | 96 hours |
| 2-methoxy-1-methylethyl acetate | Acute LC50 134 mg/l Fresh water      | Fish - Oncorhynchus mykiss                 | 96 hours |
| ethyl 3-ethoxypropionate        | Acute LC50 60.9 mg/l                 | Fish                                       | 96 hours |
| 2-butoxyethanol                 | Acute LC50 1474 mg/l                 | Fish                                       | 96 hours |
|                                 | Chronic NOEC >100 mg/l               | Fish                                       | 21 days  |
| dibutyltin dilaurate            | EC50 0.463 mg/l                      | Daphnia                                    | 48 hours |

### Persistence and degradability

| Product/ingredient name         | Test               | Result                     | Dose | Inoculum |
|---------------------------------|--------------------|----------------------------|------|----------|
| acetone                         | -                  | 90.9 % - Readily - 28 days | -    | -        |
| n-butyl acetate                 | TEPA and OECD 301D | 83 % - Readily - 28 days   | -    | -        |
| 2-methoxy-1-methylethyl acetate | -                  | 83 % - Readily - 28 days   | _    | -        |

| Product/ingredient name         | Aquatic half-life | Photolysis | Biodegradability |
|---------------------------------|-------------------|------------|------------------|
| acetone                         | -                 | -          | Readily          |
| n-butyl acetate                 | -                 | -          | Readily          |
| 2-methoxy-1-methylethyl acetate | -                 | -          | Readily          |
| ethyl 3-ethoxypropionate        | -                 | -          | Readily          |
| 2-butoxyethanol                 | -                 | -          | Readily          |
| toluene                         | -                 | -          | Readily          |

### **Bioaccumulative potential**

| Product/ingredient name         | LogPow | BCF  | Potential |
|---------------------------------|--------|------|-----------|
| acetone                         | -0.23  | 3    | Low       |
| n-butyl acetate                 | 2.3    | -    | Low       |
| 2-methoxy-1-methylethyl acetate | 1.2    | -    | Low       |
| ethyl 3-ethoxypropionate        | 1.47   | -    | Low       |
| 2-butoxyethanol                 | 0.81   | -    | Low       |
| dibutyltin dilaurate            | 4.44   | -    | High      |
| toluene                         | 2.73   | 8.32 | Low       |
| maleic anhydride                | -2.78  | -    | Low       |

### **Mobility in soil**

Soil/water partition coefficient (Koc)

: Not available.

United States Page: 15/19

Date of issue 5 July 2023

Version 3

Product name GLADIATOR BLACK TRUCK BED LINER

### Section 13. Disposal considerations

### **Disposal methods**

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

### 14. Transport information

|                              | DOT             | IMDG            | IATA            |
|------------------------------|-----------------|-----------------|-----------------|
| UN number                    | <b>☑</b> N1263  | <b>☑</b> N1263  | <b>☑</b> N1263  |
| UN proper shipping name      | PAINT           | PAINT           | PAINT           |
| Transport hazard class (es)  | 3               | 3               | 3               |
| Packing group                | II              | II              | II              |
| <b>Environmental hazards</b> | No.             | No.             | No.             |
| Marine pollutant substances  | Not applicable. | Not applicable. | Not applicable. |
| Product RQ (lbs)             | 20795.8         | Not applicable. | Not applicable. |
| RQ substances                | (acetone)       | Not applicable. | Not applicable. |

#### **Additional information**

Package sizes shipped in quantities less than the product reportable quantity are not subject to the

RQ (reportable quantity) transportation requirements.

IMDG : None identified.IATA : None identified.

Special precautions for user : Transport within user's premises: always transport in closed containers that are

upright and secure. Ensure that persons transporting the product know what to do in

the event of an accident or spillage.

Transport in bulk according : Not applicable.

to IMO instruments

**United States** 

Page: 16/19

Date of issue 5 July 2023

Version 3

### **Product name GLADIATOR BLACK TRUCK BED LINER**

### **Section 15. Regulatory information**

#### **United States**

United States inventory (TSCA 8b): At least one component is inactive.

United States - TSCA 5(a)2 - Final significant new use rules:

4-chloro-α,α,α-trifluorotoluene Listed 40 CFR 799.5089

**SARA 302/304** 

SARA 304 RQ : Not applicable.

Composition/information on ingredients

No products were found.

**SARA 311/312** 

Classification : FLAMMABLE LIQUIDS - Category 2

SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A

**RESPIRATORY SENSITIZATION - Category 1** 

SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2

TOXIC TO REPRODUCTION - Category 1B

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -

Category 3

**HNOC** - Defatting irritant

HNOC - May form explosive peroxides.

### **Composition/information on ingredients**

| Name                            | %            | Classification   |
|---------------------------------|--------------|--|
| acetone                         | ≥20 - ≤50    | FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 HNOC - Defatting irritant   |
| 4-chloro-α,α,α-trifluorotoluene | ≥10 - <20    | FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 HNOC - Defatting irritant |
| n-butyl acetate                 | ≥5.0 - ≤10   | FLAMMABLE LIQUIDS - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 HNOC - Defatting irritant  |
| 2-methoxy-1-methylethyl acetate | ≥1.0 - ≤5.0  | FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  |
| ethyl 3-ethoxypropionate        | ≥1.0 - ≤5.0  | FLAMMABLE LIQUIDS - Category 3 HNOC - Defatting irritant HNOC - May form explosive peroxides.  |
| 2-butoxyethanol                 | ≥0.10 - ≤2.2 | FLAMMABLE LIQUIDS - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 3 SKIN IRRITATION - Category 2  |

United States Page: 17/19

### **Product name GLADIATOR BLACK TRUCK BED LINER**

### **Section 15. Regulatory information**

|                              |       | EYE IRRITATION - Category 2A                       |
|------------------------------|-------|--|
| carbon black                 | ≤1.0  | COMBUSTIBLE DUSTS                                  |
|                              |       | CARCINOGENICITY - Category 2                       |
| dibutyltin dilaurate         | <1.0  | SKIN CORROSION - Category 1C                       |
|                              |       | SERIOUS EYE DAMAGE - Category 1                    |
|                              |       | SKIN SENSITIZATION - Category 1                    |
|                              |       | GERM CELL MUTAGENICITY - Category 2                |
|                              |       | TOXIC TO REPRODUCTION - Category 1B                |
|                              |       | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - |
|                              |       | Category 1   |
|                              |       | SPECIFIC TARGET ORGAN TOXICITY (REPEATED           |
|                              |       | EXPOSURE) - Category 1                             |
| 4-isocyanatosulphonyltoluene | <1.0  | SKIN IRRITATION - Category 2                       |
|                              |       | EYE IRRITATION - Category 2A                       |
|                              |       | RESPIRATORY SENSITIZATION - Category 1A            |
|                              |       | SKIN SENSITIZATION - Category 1A                   |
|                              |       | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)   |
|                              |       | (Respiratory tract irritation) - Category 3        |
| bis(1,2,2,6,6-pentamethyl-   | <1.0  | SKIN SENSITIZATION - Category 1B                   |
| 4-piperidyl) sebacate        |       | TOXIC TO REPRODUCTION - Category 2                 |
| toluene                      | <1.0  | FLAMMABLE LIQUIDS - Category 2                     |
|                              |       | SKIN IRRITATION - Category 2                       |
|                              |       | TOXIC TO REPRODUCTION - Category 2                 |
|                              |       | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)   |
|                              |       | (Narcotic effects) - Category 3                    |
|                              |       | SPECIFIC TARGET ORGAN TOXICITY (REPEATED           |
|                              |       | EXPOSURE) - Category 2                             |
|                              |       | ASPIRATION HAZARD - Category 1                     |
|                              |       | HNOC - Defatting irritant                          |
| maleic anhydride             | <0.10 | COMBUSTIBLE DUSTS                                  |
|                              |       | ACUTE TOXICITY (oral) - Category 4                 |
|                              |       | SKIN CORROSION - Category 1B                       |
|                              |       | SERIOUS EYE DAMAGE - Category 1                    |
|                              |       | RESPIRATORY SENSITIZATION - Category 1A            |
|                              |       | SKIN SENSITIZATION - Category 1A                   |
|                              |       | SPECIFIC TARGET ORGAN TOXICITY (REPEATED           |
|                              |       | EXPOSURE) - Category 1                             |

### **SARA 313**

**Chemical name** 

**CAS** number **Concentration** 111-76-2 0.5 - 1.5**Supplier notification** : 2-butoxyethanol

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your SEM representative.

### California Prop. 65

**United States** Page: 18/19

Date of issue 5 July 2023

Version 3

### **Product name GLADIATOR BLACK TRUCK BED LINER**

### **Section 16. Other information**

Hazardous Material Information System (U.S.A.)

Health: 2 \* Flammability: 3 Physical hazards: 0

(\*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on MSDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

**National Fire Protection Association (U.S.A.)** 

Health: 2 Flammability: 3 Instability: 0

Date of previous issue : 6/29/2023

Organization that prepared

the SDS

: EHS

**Key to abbreviations** : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available SGG = Segregation Group UN = United Nations

Indicates information that has changed from previously issued version.

#### **Disclaimer**

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by SEM, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.

United States Page: 19/19

## SAFETY DATA SHEET



Date of issue/Date of revision 27 June 2023

**Version 2** 

### **Section 1. Identification**

Product name : GLADIATOR ACTIVATOR

Product code : GPSP-SEM.56648

Other means of : Not available.

identification

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

**Product use** : Professional applications.

Use of the substance/

mixture

: Coating.

Uses advised against : Not applicable.

Manufacturer : SEM Products, Inc.

1685 Overview Drive, Rock Hill, SC 29730

**Emergency telephone** 

number

: CHEMTREC 1-800-424-9300

Technical Phone Number : 800-831-1122 (Rock Hill, SC) 8:00 a.m. - 4:30 p.m. EST

### Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard

(29 CFR 1910.1200).

Classification of the : ► AMMABLE LIQUIDS - Category 2 substance or mixture : ACUTE TOXICITY (inhalation) - Category 4

SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract

irritation) - Category 3

**GHS label elements** 

Hazard pictograms :







Signal word : Danger

United States Page: 1/15

Date of issue 27 June 2023

Version 2

**Product name GLADIATOR ACTIVATOR** 

### Section 2. Hazards identification

#### **Hazard statements**

: Fighly flammable liquid and vapor.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Harmful if inhaled.

May cause respiratory irritation. Suspected of causing cancer.

#### **Precautionary statements**

#### **Prevention**

: Description before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Use only outdoors or in a well-ventilated area. Avoid breathing vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

#### Response

: F exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

#### **Storage**

: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool

### Disposal

Dispose of contents and container in accordance with all local, regional, national and international regulations.

## Supplemental label elements

: Moisture-sensitive material. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Skin contact to isocyanate monomer may lead to allergic lung reaction. Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitization of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.

## Hazards not otherwise classified

: Prolonged or repeated contact may dry skin and cause irritation.

United States Page: 2/15

**Product name GLADIATOR ACTIVATOR** 

### Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product name : GLADIATOR ACTIVATOR

| Ingredient name | %                      | CAS number            |
|-----------------|------------------------|-----------------------|
|                 | ≥75 - ≤90<br>≥10 - ≤20 | 28182-81-2<br>98-56-6 |

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

#### **Description of necessary first aid measures**

**Eye contact**: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids

apart for at least 10 minutes and seek immediate medical advice.

**Inhalation**: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is

irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained

personnel.

Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water

or use recognized skin cleanser. Do NOT use solvents or thinners.

Ingestion : If swallowed, seek medical advice immediately and show this container or label. Keep

person warm and at rest. Do NOT induce vomiting.

#### Most important symptoms/effects, acute and delayed

### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

Inhalation : Farmful if inhaled. May cause respiratory irritation.

**Skin contact**: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.

**Ingestion**: No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

**Eye contact** : Adverse symptoms may include the following:

pain or irritation

watering redness

**Inhalation** : Adverse symptoms may include the following:

respiratory tract irritation

coughing

United States Page: 3/15

**Product name GLADIATOR ACTIVATOR** 

### Section 4. First aid measures

**Skin contact**: Adverse symptoms may include the following:

irritation redness dryness cracking

Ingestion : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed.

The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments**: No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or

self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water

before removing it, or wear gloves.

See toxicological information (Section 11)

### Section 5. Fire-fighting measures

#### **Extinguishing media**

Suitable extinguishing

media

**Unsuitable extinguishing** 

media

: Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

: Do not use water jet.

## Specific hazards arising from the chemical

: Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

## Hazardous thermal decomposition products

: Decomposition products may include the following materials:

carbon oxides nitrogen oxides

halogenated compounds

carbonyl halides

Cyanate and isocyanate. hydrogen cyanide

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

United States Page: 4/15

Date of issue 27 June 2023

Version 2

Product code GPSP-SEM.56648

**Product name GLADIATOR ACTIVATOR** 

### Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** 

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

**Special provisions** 

: Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Place in a suitable container. The contaminated area should be cleaned immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts) and concentrated (d: 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts) and water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in an unsealed container. Once this stage is reached, close container and dispose of according to local regulations (see section 13). Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

United States Page: 5/15

### Section 7. Handling and storage

### Precautions for safe handling

#### **Protective measures**

• Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

#### **Special precautions**

: Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

## Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

# Conditions for safe storage, including any incompatibilities

Do not store above the following temperature: 50°C (122°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Precautions should be taken to minimize exposure to atmospheric humidity or water.

### Section 8. Exposure controls/personal protection

### **Control parameters**

#### Occupational exposure limits

| Ingredient name   | Exposure limits                              |
|---|--|
| ▶examethylene diisocyanate, oligomers (isocyanurate type) | IPEL (-).<br>TWA: 0.5 mg/m³<br>STEL: 1 mg/m³ |
| 4-chloro-α,α,α-trifluorotoluene                           | IPEL (-). TWA: 0.57 ppm STEL: 1.71 ppm       |

#### Key to abbreviations

| Α            | = Acceptable Maximum Peak  | S  | <ul> <li>Potential skin absorption</li> </ul> |
|--------------|--|----|---|
| <b>ACGIH</b> | <ul> <li>American Conference of Governmental Industrial Hygienists.</li> </ul> | SR | = Respiratory sensitization                   |

United States Page: 6/15

Date of issue 27 June 2023

Version 2

**Product name GLADIATOR ACTIVATOR** 

### Section 8. Exposure controls/personal protection

= Ceiling Limit F = Fume

IPEL = Internal Permissible Exposure Limit

**OSHA** Occupational Safety and Health Administration.

= Respirable

= OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

= Skin sensitization

STEL = Short term Exposure limit values

TD = Total dust

TLV = Threshold Limit Value TWA = Time Weighted Average

#### Consult local authorities for acceptable exposure limits.

## procedures

**Recommended monitoring**: Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### **Environmental exposure** controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### **Individual protection measures**

### **Hygiene measures**

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### **Eye/face protection** Skin protection

Chemical splash goggles.

**Hand protection** 

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

### Gloves **Body protection**

: butvl rubber

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

### Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

> **United States** Page: 7/15

Date of issue 27 June 2023

Version 2

**Product name GLADIATOR ACTIVATOR** 

### Section 8. Exposure controls/personal protection

**Respiratory protection** 

: Use an air-fed respirator unless a site-specific assessment determines that an air-fed respirator is not necessary, in which case the results of the risk assessment should be utilized to determine whether respiratory protection is necessary and what type of protection is appropriate. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

The respiratory protection shall be in accordance to 29 CFR 1910.134.

Restrictions on use

: Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used.

### Section 9. Physical and chemical properties

**Appearance** 

Physical state : Liquid.

Color : Not available.

Odor : Not available.

Odor threshold : Not available.

pH : Not applicable.

Melting point : Not available.

Boiling point : >37.78°C (>100°F)

Flash point : Closed cup: <25°C (<77°F)

Auto-ignition temperature: Not available.Decomposition temperature: Not available.Flammability: Not available.Lower and upper explosive: Not available.

(flammable) limits

Evaporation rate: Not available.Vapor pressure: Not available.Vapor density: Not available.

Relative density : 1.2

Density ( lbs / gal ) : 10.01

Media Result

Solubility(ies) : cold water Partially soluble

Partition coefficient: n-

octanol/water

: Not applicable.

Viscosity : Kinematic (40°C (104°F)): <20 mm<sup>2</sup>/s (<20 cSt)

**Volatility** : 20% (w/w) % **Solid. (w/w)** : 80.28

United States Page: 8/15

**Product name GLADIATOR ACTIVATOR** 

## Section 10. Stability and reactivity

**Reactivity**: No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability**: The product is stable.

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : In a fire, hazardous decomposition products may be produced. Refer to protective measures listed in sections 7 and 8.

Incompatible materials : Keep away from: oxidizing agents, strong alkalis, strong acids, amines, alcohols, water.

Uncontrolled exothermic reactions occur with amines and alcohols.

Hazardous decomposition products

: Depending on conditions, decomposition products may include the following materials: Cyanate and isocyanate. carbon oxides nitrogen oxides halogenated compounds hydrogen cyanide carbonyl halides

### **Section 11. Toxicological information**

### **Information on toxicological effects**

### **Acute toxicity**

| Product/ingredient name                                   | Result   | Species       | Dose   | Exposure       |
|---|--|---------------|--|----------------|
| Hexamethylene diisocyanate, oligomers (isocyanurate type) | LD50 Dermal  | Rabbit        | >2000 mg/kg  | -              |
| 4-chloro-α,α,α-trifluorotoluene                           | LD50 Oral<br>LC50 Inhalation Vapor<br>LD50 Dermal<br>LD50 Oral | Rat<br>Rabbit | >2500 mg/kg<br>33080 mg/m³<br>>2.7 g/kg<br>13 g/kg | - 4 hours<br>- |

**Conclusion/Summary** 

: There are no data available on the mixture itself.

Irritation/Corrosion

**Conclusion/Summary** 

Skin
: There are no data available on the mixture itself.
Eyes
: There are no data available on the mixture itself.
Respiratory
: There are no data available on the mixture itself.

**Sensitization** 

**Conclusion/Summary** 

Skin : There are no data available on the mixture itself.Respiratory : There are no data available on the mixture itself.

Mutagenicity

**Conclusion/Summary**: There are no data available on the mixture itself.

Carcinogenicity

**Conclusion/Summary**: There are no data available on the mixture itself.

Classification

United States Page: 9/15

#### **Product name GLADIATOR ACTIVATOR**

### **Section 11. Toxicological information**

| Product/ingredient name                                    | OSHA | IARC | NTP |
|--|------|------|-----|
| 4-chloro- $\alpha$ , $\alpha$ , $\alpha$ -trifluorotoluene | -    | 2B   | -   |

**Carcinogen Classification code:** 

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

Reproductive toxicity

**Conclusion/Summary**: There are no data available on the mixture itself.

**Teratogenicity** 

**Conclusion/Summary**: There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

| Name   | Category   | Route of exposure | Target organs                |
|--|------------|-------------------|------------------------------|
| Hexamethylene diisocyanate, oligomers (isocyanurate type)  | Category 3 |                   | Respiratory tract irritation |
| 4-chloro- $\alpha$ , $\alpha$ , $\alpha$ -trifluorotoluene | Category 3 |                   | Respiratory tract irritation |

#### Specific target organ toxicity (repeated exposure)

Not available.

<u>Target organs</u>: Contains material which causes damage to the following organs: brain, central nervous

system (CNS).

Contains material which may cause damage to the following organs: liver, upper

respiratory tract, skin, adrenal.

### **Aspiration hazard**

Not available.

#### Information on the likely routes of exposure

#### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

Inhalation : Farmful if inhaled. May cause respiratory irritation.

**Skin contact**: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.

**Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

**Eye contact**: Adverse symptoms may include the following:

pain or irritation

watering redness

Inhalation : Adverse symptoms may include the following:

respiratory tract irritation

coughing

United States Page: 10/15

**Product name GLADIATOR ACTIVATOR** 

### Section 11. Toxicological information

**Skin contact**: Adverse symptoms may include the following:

irritation redness dryness cracking

Ingestion : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

**Conclusion/Summary** : There are no data available on the mixture itself. Skin contact to isocyanate monomer may lead to allergic lung reaction. Based on the properties of the isocyanate

components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitization of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvent vapor

concentrations in excess of the stated occupational exposure limit may result in adverse

health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and

dermal routes of exposure and eye contact.

Short term exposure

Potential immediate : There are no data available on the mixture itself.

effects

**Potential delayed effects**: There are no data available on the mixture itself.

Long term exposure

Potential immediate : There are no data available on the mixture itself.

effects

**Potential delayed effects**: There are no data available on the mixture itself.

Potential chronic health effects

General : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or

dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently

exposed to very low levels.

**Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of

exposure.

**Mutagenicity**: No known significant effects or critical hazards.

**Reproductive toxicity**: No known significant effects or critical hazards.

**Numerical measures of toxicity** 

**Acute toxicity estimates** 

United States Page: 11/15

**Product name GLADIATOR ACTIVATOR** 

### **Section 11. Toxicological information**

| Product/ingredient name                                   | Oral (mg/<br>kg) | Dermal<br>(mg/kg) | Inhalation<br>(gases)<br>(ppm) | Inhalation<br>(vapors)<br>(mg/l) | Inhalation<br>(dusts and<br>mists) (mg/<br>I) |
|---|------------------|-------------------|--------------------------------|----------------------------------|---|
| <b>ELADIATOR ACTIVATOR</b>                                | 3117.2           | 2506.4            | N/A                            | N/A                              | 1.9   |
| Hexamethylene diisocyanate, oligomers (isocyanurate type) | 2500             | 2500              | N/A                            | N/A                              | 1.5   |
| 4-chloro-α,α,α-trifluorotoluene                           | 13000            | 2500              | N/A                            | 33.08                            | N/A   |

## Section 12. Ecological information

#### **Toxicity**

| Product/ingredient name                                   | Result                                       | Species  | Exposure             |
|---|--|--|----------------------|
| Hexamethylene diisocyanate, oligomers (isocyanurate type) | Acute EC50 >1000 mg/l                        | Algae - scenedesmus subspicatus                            | 72 hours             |
|   | Acute EC50 >100 mg/l<br>Acute LC50 >100 mg/l | Daphnia - daphnia magna<br>Fish - Danio rerio (zebra fish) | 48 hours<br>96 hours |

### Persistence and degradability

| Product/ingredient name                                   | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|------------------|
| Fexamethylene diisocyanate, oligomers (isocyanurate type) |                   | -          | Not readily      |

#### **Bioaccumulative potential**

| Product/ingredient name                                   | LogPow | BCF | Potential |
|---|--------|-----|-----------|
| Fexamethylene diisocyanate, oligomers (isocyanurate type) |        | 3.2 | Low       |

### **Mobility in soil**

Soil/water partition coefficient (Koc)

: Not available.

## Section 13. Disposal considerations

### **Disposal methods**

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues.

United States Page: 12/15

Date of issue 27 June 2023

Version 2

**Product name GLADIATOR ACTIVATOR** 

### Section 13. Disposal considerations

Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

### 14. Transport information

|   | DOT                    | IMDG                   | IATA                   |
|---|------------------------|------------------------|------------------------|
| UN number   | UN1263                 | UN1263                 | UN1263                 |
| UN proper shipping name                           | PAINT                  | PAINT                  | PAINT                  |
| Transport hazard class (es)                       | 3                      | 3                      | 3                      |
| Packing group                                     | II                     | II                     | II                     |
| Environmental hazards Marine pollutant substances | No.<br>Not applicable. | No.<br>Not applicable. | No.<br>Not applicable. |

#### **Additional information**

DOT : None identified. **IMDG** : None identified. **IATA** : None identified.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not applicable.

to IMO instruments

### Section 15. Regulatory information

#### **United States**

United States inventory (TSCA 8b): All components are active or exempted.

United States - TSCA 5(a)2 - Final significant new use rules:

4-chloro-α,α,α-trifluorotoluene Listed 40 CFR 799.5089

**SARA 302/304** 

**SARA 304 RQ** : Not applicable. **Composition/information on ingredients** 

No products were found.

**United States** Page: 13/15

Date of issue 27 June 2023

Version 2

**Product name GLADIATOR ACTIVATOR** 

### Section 15. Regulatory information

#### **SARA 311/312**

Classification : FLAMMABLE LIQUIDS - Category 2

ACUTE TOXICITY (inhalation) - Category 4

SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract

irritation) - Category 3 HNOC - Defatting irritant

#### **Composition/information on ingredients**

| Name  | %         | Classification   |
|---|-----------|--|
| Hexamethylene diisocyanate, oligomers (isocyanurate type) | ≥75 - ≤90 | COMBUSTIBLE DUSTS ACUTE TOXICITY (inhalation) - Category 4 SKIN SENSITIZATION - Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3   |
| 4-chloro-α,α,α-trifluorotoluene                           | ≥10 - ≤20 | FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 HNOC - Defatting irritant |

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your SEM representative.

### California Prop. 65

**WARNING**: Cancer - www.P65Warnings.ca.gov.

### **Section 16. Other information**

**Hazardous Material Information System (U.S.A.)** 

Health: 3 \* Flammability: 3 Physical hazards: 0

(\*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on MSDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)

Health: 3 Flammability: 3 Instability: 0

Date of previous issue : 5/30/2023
Organization that prepared : EHS

the SDS

United States Page: 14/15

**Product name GLADIATOR ACTIVATOR** 

### **Section 16. Other information**

Key to abbreviations : ATE =

: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available SGG = Segregation Group UN = United Nations

▼ Indicates information that has changed from previously issued version.

#### **Disclaimer**

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by SEM, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.

United States Page: 15/15