# ProXL ULTRA GRIP HIGH ADHESION MULTI PRIMER AEROSOL (500ML)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
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## SECTION 1: Identification

### 1.1. Identification

Product form : Mixture
Trade name : ProXL ULTRA GRIP HIGH ADHESION MULTI PRIMER AEROSOL (500ML)
Product code : 907977-US

### 1.2. Recommended use and restrictions on use

Recommended use : Varnish
Restrictions on use : All other uses not recommended above

### 1.3. Supplier

Capella Inc
370 W. Pleasantview Ave, Suite 2-281V
Hackensack, New Jersey 07601
United States
T (800) 451-0917
sds@capellasolutionsinc.com

### 1.4. Emergency telephone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virgina, USA) CCN 1014359

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

**GHS US classification**

| | |
|---|---|
| Flammable aerosol Category 1 | Extremely flammable aerosol |
| Serious eye damage/eye irritation Category 2 | Causes serious eye irritation |
| Carcinogenicity Category 2 | Suspected of causing cancer |
| Specific target organ toxicity – Single exposure, Category 3, Narcosis | May cause drowsiness or dizziness |
| Specific target organ toxicity (repeated exposure) Category 2 | May cause damage to organs (hearing organs) through prolonged or repeated exposure |

Full text of H statements : see section 16

### 2.2. GHS Label elements, including precautionary statements

**GHS US labeling**

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger
Hazard statements (GHS US) : Extremely flammable aerosol
Causes serious eye irritation
May cause drowsiness or dizziness
Suspected of causing cancer
May cause damage to organs (hearing organs) through prolonged or repeated exposure

Precautionary statements (GHS US) : Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Do not breathe gas, mist, spray, vapors.
Wash hands, forearms and face thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, protective clothing, eye protection, face protection.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention.
Call a POISON CENTER, a doctor if you feel unwell.
If eye irritation persists: Get medical advice/attention.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

58.3% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
61.7% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % | GHS US classification |
|---|---|---|---|
| Dimethyl ether | CAS-No.: 115-10-6 | 50 – 60 | Flam. Gas 1, H220<br>Press. Gas (Comp.), H280 |
| Acetone | CAS-No.: 67-64-1 | 20 – 30 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336 |
| Xylene | CAS-No.: 1330-20-7 | 5 – 10 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Aquatic Acute 2, H401 |
| tert-Butyl acetate | CAS-No.: 540-88-5 | 8.3 | Flam. Liq. 2, H225<br>Aquatic Acute 2, H401 |
| Ethyl acetate | CAS-No.: 141-78-6 | 4 – 6 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336 |

| Name | Product identifier | % | GHS US classification |
|---|---|---|---|
| Ethylbenzene | CAS-No.: 100-41-4 | 2 – 4 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Inhalation), H332<br>Carc. 2, H351<br>STOT RE 2, H373<br>Asp. Tox. 1, H304<br>Aquatic Acute 2, H401 |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.

First-aid measures after skin contact : Take off contaminated clothing and wash it before reuse. Wash skin with plenty of water. Call a poison center/doctor/physician if you feel unwell.

First-aid measures after eye contact : 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/attention.

First-aid measures after ingestion : Rinse mouth out with water. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a poison center/doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after inhalation : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Inhalation may cause irritation (cough, short breathing, difficulty in breathing).

Symptoms/effects after skin contact : May cause moderate irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : Causes serious eye irritation. Redness, pain. Eye irritation.

Symptoms/effects after ingestion : May cause irritation to the digestive tract. Ingestion may cause nausea and vomiting.

Most Important Symptoms/Effects : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Causes serious eye irritation.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Extremely flammable aerosol.

Explosion hazard : Contains gas under pressure; may explode if heated.

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire with normal precautions from a reasonable distance. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

General measures : Avoid all personal contact including breathing in the spray, mist, gas, vapors. Do not take actions involving personal risks. Eliminate every possible source of ignition. Isolate from fire, if possible, without unnecessary risk. Proper grounding procedures to avoid static electricity should be followed.

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear the recommended personal protective equipment.

Emergency procedures : Evacuate the danger area. If outdoors, move to an area upwind of the danger area. If possible without taking personal risks, remove ignition sources, ventilate area. Prevent other non-emergency personnel from entering the danger area.

#### 6.1.2. For emergency responders

Protective equipment : Wear the recommended personal protective equipment.

Emergency procedures : Evacuate personnel to a safe area. Remove all sources of ignition. Ventilate spillage area.

### 6.2. Environmental precautions

Avoid release to the environment. Do NOT wash away into sewer. Do not let the product reach soil, drains, sewers, or surface and ground water.

### 6.3. Methods and material for containment and cleaning up

For containment : Contain with non-combustible inert absorbent.

Methods for cleaning up : Take up in non-combustible inert absorbent and place into container for disposal. Contaminated absorbent material may pose the same hazard as the spilt product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Use explosion-proof equipment in any process generating gas, vapors air mixtures above the Lower Explosive Limit (refer to Section 9). Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wear personal protective equipment. Do not breathe spray, mist, gas, vapors. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep cool. Do not expose to temperatures exceeding 50 °C/ 122 °F. Protect from sunlight. Store in a well-ventilated place. Store locked up.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| ProXL ULTRA GRIP HIGH ADHESION MULTI PRIMER AEROSOL (500ML) | |
|---|---|
| **USA - ACGIH - Occupational Exposure Limits** | |
| Local name | n-Butyl acetate |
| ACGIH OEL TWA | 50 ppm |
| ACGIH OEL STEL | 150 ppm |
| Remark (ACGIH) | TLV® Basis: Eye & URT irr |
| Regulatory reference | ACGIH 2023 |
| **USA - ACGIH - Biological Exposure Indices** | |
| Local name | XYLENES (Technical or commercial grade) |
| BEI | 1.5 g/g Kreatinin Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shift |
| Regulatory reference | ACGIH 2023 |
| **USA - OSHA - Occupational Exposure Limits** | |
| Local name | n-Butyl-acetate |
| OSHA PEL TWA | 710 mg/m³ |
| | 150 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

| Dimethyl ether (115-10-6) |
|---|
| No additional information available |

| Acetone (67-64-1) | |
|---|---|
| **USA - ACGIH - Occupational Exposure Limits** | |
| Local name | Acetone |
| ACGIH OEL TWA | 250 ppm |
| ACGIH OEL STEL | 500 ppm |
| Remark (ACGIH) | TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI |
| Regulatory reference | ACGIH 2023 |
| **USA - ACGIH - Biological Exposure Indices** | |
| Local name | ACETONE |
| BEI | 25 mg/l Parameter: Acetone - Medium: urine - Sampling time: End of shift - Notations: Ns |
| Regulatory reference | ACGIH 2023 |
| **USA - OSHA - Occupational Exposure Limits** | |
| Local name | Acetone |
| OSHA PEL TWA | 2400 mg/m³ |

| **Acetone (67-64-1)** | |
|---|---|
| | 1000 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

| **Xylene (1330-20-7)** | |
|---|---|
| **USA - ACGIH - Occupational Exposure Limits** | |
| Local name | Xylene, mixed isomers (Dimethylbenzene) |
| ACGIH OEL TWA | 20 ppm |
| Remark (ACGIH) | TLV® Basis: URT & eye irr; hematologic eff; ototoxycity (for mixtures containing p-xylene); CNS impair. Notations: OTO (for mixtures containing p-xylene); A4 (Not classifiable as a Human Carcinogen); BEI |
| Regulatory reference | ACGIH 2023 |
| **USA - ACGIH - Biological Exposure Indices** | |
| Local name | XYLENES (Technical or commercial grade) |
| BEI | 1.5 g/g Kreatinin Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shift |
| Regulatory reference | ACGIH 2023 |
| **USA - OSHA - Occupational Exposure Limits** | |
| Local name | Xylenes (o-, m-, p-isomers) |
| OSHA PEL TWA | 435 mg/m³ |
| | 100 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

| **Ethyl acetate (141-78-6)** | |
|---|---|
| **USA - ACGIH - Occupational Exposure Limits** | |
| Local name | Ethyl acetate |
| ACGIH OEL TWA | 400 ppm |
| Remark (ACGIH) | TLV® Basis: URT & eye irr |
| Regulatory reference | ACGIH 2023 |
| **USA - OSHA - Occupational Exposure Limits** | |
| Local name | Ethyl acetate |
| OSHA PEL TWA | 1400 mg/m³ |
| | 400 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

| **Ethylbenzene (100-41-4)** | |
|---|---|
| **USA - ACGIH - Occupational Exposure Limits** | |
| Local name | Ethylbenzene |
| ACGIH OEL TWA | 20 ppm |

| Ethylbenzene (100-41-4) | |
|---|---|
| Remark (ACGIH) | TLV® Basis: URT & eye irr; ototoxicity; kidney eff; CNS impair. Notations: OTO (Ototoxicant); A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI |
| Regulatory reference | ACGIH 2023 |
| **USA - ACGIH - Biological Exposure Indices** | |
| Local name | ETHYLBENZENE |
| BEI | 0.15 g/g Kreatinin Parameter: Sum of mandelic acid and phenylglyoxylic acid (with hydrolysis) - Medium: urine - Sampling time: End of shift - Notations: Ns |
| Regulatory reference | ACGIH 2023 |
| **USA - OSHA - Occupational Exposure Limits** | |
| Local name | Ethyl benzene |
| OSHA PEL TWA | 435 mg/m³ |
| | 100 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

| tert-Butyl acetate (540-88-5) | |
|---|---|
| **USA - ACGIH - Occupational Exposure Limits** | |
| Local name | tert-Butyl acetate |
| ACGIH OEL TWA | 50 ppm |
| ACGIH OEL STEL | 150 ppm |
| Remark (ACGIH) | TLV® Basis: Eye & URT irr |
| Regulatory reference | ACGIH 2023 |
| **USA - OSHA - Occupational Exposure Limits** | |
| Local name | tert-Butyl-acetate |
| OSHA PEL TWA | 950 mg/m³ |
| | 200 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

## 8.2. Appropriate engineering controls

Appropriate engineering controls : Use general ventilation, local exhaust ventilation or process enclosure to keep the airborne concentrations below the permissible exposure limits.

Environmental exposure controls : Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

## 8.3. Individual protection measures/Personal protective equipment

**Personal protective equipment:**

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment.

| **Hand protection:** |
|---|
| Butyl rubber protective gloves with a permeation time of >480 minutes for each ingredient of this mixture. |

| **Eye protection:** |
|---|
| Chemical goggles or face shield. Safety glasses |

| **Skin and body protection:** |
|---|
| Wear suitable protective clothing |

| **Respiratory protection:** |
|---|
| In case of insufficient ventilation, wear suitable respiratory equipment |

**Personal protective equipment symbol(s):**

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid. |
| Color | : | Colorless |
| Odor | : | Solvent-like |
| Odor threshold | : | No data available |
| pH | : | No data available |
| Melting point | : | Not applicable |
| Freezing point | : | No data available |
| Boiling point | : | No data available |
| Flash point | : | No data available |
| Relative evaporation rate (butyl acetate=1) | : | No data available |
| Flammability (solid, gas) | : | Extremely flammable aerosol. |
| Vapor pressure | : | 400 kPa (20ºC/68°F) |
| Relative vapor density at 20°C | : | No data available |
| Relative density | : | No data available |
| Density | : | 0.7 g/cm³ (20ºC/68°F) |
| Solubility | : | Practically not miscible. |
| Partition coefficient n-octanol/water (Log Pow) | : | No data available |
| Auto-ignition temperature | : | 500 °C (464°F) |
| Decomposition temperature | : | No data available |
| Viscosity, kinematic | : | No data available |
| Viscosity, dynamic | : | No data available |
| Explosion limits | : | Lower explosion limit: 2.6 vol %<br>Upper explosion limit: 26.2 vol % |
| Explosive properties | : | No data available |
| Oxidizing properties | : | No data available |

### 9.2. Other information

| | | |
|---|---|---|
| Additional information | : | Maximum Incremental Reactivity (MIR): 1.07<br>This product has been based on the Californian regulation for consumer products using the most recent values.<br>Capella Solutions Inc have classified this product as a polyolefin adhesion promoter. |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Oxidizing agents. Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| ProXL ULTRA GRIP HIGH ADHESION MULTI PRIMER AEROSOL (500ML) | |
|---|---|
| Unknown acute toxicity (GHS US) | 58.3% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)<br>61.7% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) |

| Dimethyl ether | |
|---|---|
| LC50 Inhalation - Rat [ppm] | 164000 ppm |

| Acetone | |
|---|---|
| LD50 oral rat | 5800 mg/kg body weight |
| LD50 dermal rabbit | > 15800 mg/kg |
| LC50 Inhalation - Rat | > 20 mg/l/4h |

| Xylene | |
|---|---|
| LD50 oral rat | 3523 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 Inhalation - Rat | > 29000 mg/m³ |

| Ethyl acetate | |
|---|---|
| LD50 oral | 4934 mg/kg body weight |
| LD50 dermal rabbit | > 20000 mg/kg body weight |

| **Ethyl acetate** | |
|---|---|
| LC50 Inhalation - Rat | 4000 mg/l |

| **Ethylbenzene** | |
|---|---|
| LD50 oral rat | ≈ 3500 mg/kg body weight |

| **tert-Butyl acetate** | |
|---|---|
| LD50 dermal rabbit | > 2000 mg/kg body weight |

Skin corrosion/irritation : Not classified

| **Ethyl acetate** | |
|---|---|
| Skin corrosion/irritation, rabbit | Negative, Mildly irritating |

Serious eye damage/irritation : Causes serious eye irritation.

| **Ethyl acetate** | |
|---|---|
| Serious eye damage/irritation, rabbit | Severely irritating to the eyes |

Respiratory or skin sensitization : Not classified

| **Ethyl acetate** | |
|---|---|
| Guinea pig maximization test | Not sensitive |

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

| **Xylene** | |
|---|---|
| IARC group | 3 - Not classifiable |

| **Ethylbenzene** | |
|---|---|
| IARC group | 2B - Possibly carcinogenic to humans |

Reproductive toxicity : Not classified

| **Acetone** | |
|---|---|
| LOAEL (animal/female, F0/P) | 11298 mg/kg body weight |
| NOAEL (animal/male, F0/P) | 900 mg/kg body weight |

STOT-single exposure : May cause drowsiness or dizziness.

| **Acetone** | |
|---|---|
| STOT-single exposure | May cause drowsiness or dizziness. |

| **Ethyl acetate** | |
|---|---|
| STOT-single exposure | May cause drowsiness or dizziness. |

STOT-repeated exposure : May cause damage to organs (hearing organs) through prolonged or repeated exposure.

| **Xylene** | |
|---|---|
| LOAEL (oral,rat,90 days) | 150 mg/kg body weight |

| **Ethyl acetate** | |
|---|---|
| LOAEL (oral,rat,90 days) | 3600 mg/kg body weight |
| NOAEL (oral,rat,90 days) | 900 mg/kg body weight |

| Ethylbenzene | |
|---|---|
| NOAEL (oral,rat,90 days) | 75 mg/kg body weight |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

| Ethylbenzene | |
|---|---|
| Viscosity, kinematic | 0.6 mm²/s |

| tert-Butyl acetate | |
|---|---|
| Viscosity, kinematic | < 1 mm²/s |

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after inhalation : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Inhalation may cause irritation (cough, short breathing, difficulty in breathing).

Symptoms/effects after skin contact : May cause moderate irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : Causes serious eye irritation. Redness, pain. Eye irritation.

Symptoms/effects after ingestion : May cause irritation to the digestive tract. Ingestion may cause nausea and vomiting.

Most Important Symptoms/Effects : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Causes serious eye irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life.

| Dimethyl ether | |
|---|---|
| LC50 - Fish [1] | > 4.1 g/l |
| EC50 - Crustacea [1] | > 4.4 g/l |
| EC50 96h - Algae [1] | 154917 mg/l |
| ErC50 algae | 155 mg/l |

| Acetone | |
|---|---|
| LC50 - Fish [1] | 8300 mg/l |
| EC50 - Crustacea [1] | 8450 mg/l |
| ErC50 algae | 7200 mg/l |
| LOEC (chronic) | > 79 mg/l |
| NOEC (chronic) | ≥ 79 mg/l |
| NOEC chronic crustacea | 2212 mg/l |

| Xylene | |
|---|---|
| LC50 - Fish [1] | 13.5 mg/l |
| EC50 - Crustacea [1] | 7.4 mg/l |
| LOEC (chronic) | 3.16 mg/l |
| NOEC chronic fish | > 1.3 mg/l |

| Ethyl acetate | |
|---|---|
| LC50 - Fish [1] | 230 mg/l |
| NOEC (chronic) | 2.4 mg/l |

| Ethylbenzene | |
|---|---|
| LC50 - Fish [1] | 5.1 mg/l |
| EC50 72h - Algae [1] | 5.4 mg/l |
| EC50 72h - Algae [2] | 4.9 mg/l |
| EC50 96h - Algae [1] | 3.6 mg/l |
| EC50 96h - Algae [2] | 7.7 mg/l |
| LOEC (chronic) | 1.7 mg/l |
| NOEC (chronic) | 0.96 mg/l |

| tert-Butyl acetate | |
|---|---|
| LC50 - Fish [1] | 240 mg/l |
| EC50 - Crustacea [1] | 350 mg/l |
| EC50 72h - Algae [1] | 16 mg/l |
| EC50 72h - Algae [2] | 6.1 mg/l |
| EC50 96h - Algae [1] | 64 mg/l |
| EC50 96h - Algae [2] | 5.8 mg/l |

### 12.2. Persistence and degradability

| Ethyl acetate | |
|---|---|
| Persistence and degradability | 100 % biodegradation. |

### 12.3. Bioaccumulative potential

| Ethyl acetate | |
|---|---|
| Bioaccumulative potential | Bioaccumulation unlikely. |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. This material and its container must be disposed of as hazardous waste.

Ecological information : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

| DOT | IMDG | IATA |
|---|---|---|
| **14.1. UN number** | | |
| 1950 | 1950 | 1950 |
| **14.2. Proper Shipping Name** | | |
| Aerosols | AEROSOLS | Aerosols, flammable |
| **14.3. Transport hazard class(es)** | | |
| 2.1 | 2.1 | 2.1 |
|   |   |   |
| **14.4. Packing group** | | |
| Not applicable | Not applicable | Not applicable |
| **14.5. Environmental hazards** | | |
| Dangerous for the environment: No | Dangerous for the environment: No<br>Marine pollutant: No | Dangerous for the environment: No |
| No supplementary information available | | |

### 14.6. Special precautions for user

**DOT**

UN-No.(DOT) : UN1950
DOT Packaging Exceptions (49 CFR 173.xxx) : 306
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg
DOT Vessel Stowage Location : A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other : 25 - Shade from radiant heat,87 - Stow ‘‘separated from’’ Class 1 (explosives) except Division 14,126 - Segregation same as for Class 9, miscellaneous hazardous materials

**IMDG**

Special provision (IMDG) : 63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG) : SP277
Excepted quantities (IMDG) : E0
Packing instructions (IMDG) : P207, LP200
Packing provisions (IMDG) : PP87, L2
EmS-No. (Fire) : F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES
EmS-No. (Spillage) : S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)
Stowage category (IMDG) : None
Stowage and handling (IMDG) : SW1, SW22

Segregation (IMDG) : SG69

**IATA**

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Y203
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 203
PCA max net quantity (IATA) : 75kg
CAO packing instructions (IATA) : 203
CAO max net quantity (IATA) : 150kg
ERG code (IATA) : 10L

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

| Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. | | |
|---|---|---|
| Xylene | CAS-No. 1330-20-7 | 5 – 10% |
| Ethylbenzene | CAS-No. 100-41-4 | 2 – 4% |

| **Acetone (67-64-1)** | |
|---|---|
| CERCLA RQ | 5000 lb |

| **Xylene (1330-20-7)** | |
|---|---|
| Listed on EPA Hazardous Air Pollutant (HAPS) | |
| CERCLA RQ | 100 lb |

| **Ethyl acetate (141-78-6)** | |
|---|---|
| CERCLA RQ | 5000 lb |

| **Ethylbenzene (100-41-4)** | |
|---|---|
| Listed on EPA Hazardous Air Pollutant (HAPS) | |
| CERCLA RQ | 1000 lb |

| **tert-Butyl acetate (540-88-5)** | |
|---|---|
| CERCLA RQ | 5000 lb |

## 15.2. International regulations

**CANADA**

**Dimethyl ether (115-10-6)**

Listed on the Canadian DSL (Domestic Substances List)

**Acetone (67-64-1)**

Listed on the Canadian DSL (Domestic Substances List)

**Xylene (1330-20-7)**

Listed on the Canadian DSL (Domestic Substances List)

**Ethyl acetate (141-78-6)**

Listed on the Canadian DSL (Domestic Substances List)

**Ethylbenzene (100-41-4)**

Listed on the Canadian DSL (Domestic Substances List)

**tert-Butyl acetate (540-88-5)**

Listed on the Canadian DSL (Domestic Substances List)

**EU-Regulations**

No additional information available

**National regulations**

**Dimethyl ether (115-10-6)**

Listed on INSQ (Mexican National Inventory of Chemical Substances)

**Acetone (67-64-1)**

Listed on INSQ (Mexican National Inventory of Chemical Substances)

**Xylene (1330-20-7)**

Listed on INSQ (Mexican National Inventory of Chemical Substances)

**Ethyl acetate (141-78-6)**

Listed on INSQ (Mexican National Inventory of Chemical Substances)

**Ethylbenzene (100-41-4)**

Listed on IARC (International Agency for Research on Cancer)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

| tert-Butyl acetate (540-88-5) |
|---|
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |

### 15.3. US State regulations

**WARNING:** This product can expose you to Ethylbenzene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

## SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision date : 12/18/2023

| Full text of H-phrases | |
|---|---|
| H220 | Extremely flammable gas |
| H222 | Extremely flammable aerosol |
| H225 | Highly flammable liquid and vapor |
| H226 | Flammable liquid and vapor |
| H280 | Contains gas under pressure; may explode if heated |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H332 | Harmful if inhaled |
| H336 | May cause drowsiness or dizziness |
| H351 | Suspected of causing cancer |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H401 | Toxic to aquatic life |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.