PROWELD ZINC WELD SPRAY 500 ML

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 4/21/2023 Revision date: 12/18/2023 Supersedes: 4/21/2023 Version: 1.1

SECTION 1: Identification

1.1. Identification

Product form	:	Mixture
Trade name	:	PROWELD ZINC WELD SPRAY 500 ML
Product code	:	919529-US

1.2. Recommended use and restrictions on use

Recommended use	:	Paint
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) : Obtain special instructions before use.
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 mist, spray, vapors, gas.
Wash hands, forearms and face thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear eye protection, protective gloves, face protection, protective clothing.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER if you feel unwell.
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/attention.
If exposed or concerned: 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)

54,92% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
63,12% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
65,58% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Zinc powder -zinc dust (stabilized)	CAS-No.: 7440-66-6	35 – 50	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Acetone	CAS-No.: 67-64-1	15 – 20	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Xylene	CAS-No.: 1330-20-7	5 – 10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Aquatic Acute 2, H401
Propane	CAS-No.: 74-98-6	5 – 10	Flam. Gas 1, H220 Press. Gas (Comp.), H280
Butane (containing < 0,1 % butadiene)	CAS-No.: 106-97-8	5 – 10	Flam. Gas 1, H220 Press. Gas (Comp.), H280
Butanone	CAS-No.: 78-93-3	5 – 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Name	Product identifier	%	GHS US classification
Isobutane (containing < 0,1 % butadiene)	CAS-No.: 75-28-5	5 – 10	Flam. Gas 1, H220 Press. Gas (Comp.), H280
Zinc oxide	CAS-No.: 1314-13-2	2 – 4	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethylbenzene	CAS-No.: 100-41-4	1 – 3	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304 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 immediately all 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 or doctor/physician if you feel unwell. 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 : Repeated exposure may cause skin dryness or cracking. May cause moderate irritation.

Symptoms/effects after eye contact : May cause severe 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 : Eliminate every possible source of ignition. Proper grounding procedures to avoid static electricity should be followed. Use non-sparking tools. Avoid all personal contact including breathing in the spray, mist, gas, vapors. Do not take actions involving personal risks.

6.1.1. For non-emergency personnel

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

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

PROWELD ZINC WELD SPRAY 500 ML	
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
	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

Xylene (1330-20-7)	
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

Zinc oxide (1314-13-2)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Zinc oxide
ACGIH OEL TWA	2 mg/m³ (R - Respirable particulate matter)
ACGIH OEL STEL	10 mg/m³ (R - Respirable particulate matter)
Remark (ACGIH)	TLV® Basis: Metal fume fever
Regulatory reference	ACGIH 2023
USA - OSHA - Occupational Exposure Limits	
Local name	Zinc oxide
OSHA PEL TWA	5 mg/m³ (Fume) 15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Zinc powder -zinc dust (stabilized) (7440-66-6)
No additional information available

Propane (74-98-6)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Propane
Remark (ACGIH)	TLV® Basis: Simple Asphyxiant
Regulatory reference	ACGIH 2023
USA - OSHA - Occupational Exposure Limits	
Local name	Propane
OSHA PEL TWA	1800 mg/m³
	1000 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Butane (containing < 0,1 % butadiene) (106-97-8)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Butane
ACGIH OEL STEL	1000 ppm (EX - Explosion hazard)
Remark (ACGIH)	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2023

Butanone (78-93-3)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Methyl ethyl ketone (MEK)
ACGIH OEL TWA	200 ppm
ACGIH OEL STEL	300 ppm
Remark (ACGIH)	TLV® Basis: URT irr; CNS & PNS impair. Notations: BEI
Regulatory reference	ACGIH 2023
USA - ACGIH - Biological Exposure Indices	
Local name	METHYL ETHYL KETONE
BEI	2 mg/l Parameter: Methyl ethyl ketone - Medium: urine - Sampling time: End of shift - Notations: Ns
Regulatory reference	ACGIH 2023
USA - OSHA - Occupational Exposure Limits	
Local name	2-Butanone (Methyl ethyl ketone)
OSHA PEL TWA	590 mg/m³
	200 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Isobutane (containing < 0,1 % butadiene) (75-28-5)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Isobutane
ACGIH OEL STEL	1000 ppm (EX - Explosion hazard)
Remark (ACGIH)	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2023

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

Ethylbenzene (100-41-4)	
	100 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.
Appearance	:	Liquid.
Color	:	Silver
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 (20°C/68°F)
Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Density	:	0.98 g/m³ 20°C/68°F
Solubility	:	Insoluble in water.

Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	240 °C 464°F
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	Lower explosion limit: 0.7 vol % 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): 0.89
This product has been based on the Californian regulation for consumer products using the most recent values.
Capella Solutions Inc have classified this product as a weld-through primer.

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

PROWELD ZINC WELD SPRAY 500 ML	
Unknown acute toxicity (GHS US)	54,92% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 63,12% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 65,58% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

Acetone	
LD50 oral rat	5800 mg/kg body weight

Acetone	
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

Zinc oxide	
LD50 dermal rat	> 2000 mg/kg body weight

Zinc powder -zinc dust (stabilized)	
LD50 oral rat	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 5.41 mg/l air

Butane (containing < 0,1 % butadiene)	
LC50 Inhalation - Rat	658 mg/l/4h

Ethylbenzene	
LD50 oral rat	≈ 3500 mg/kg body weight

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not classified

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.

Butanone	
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

Zinc oxide	
LOAEL (dermal,rat/rabbit,90 days)	75 mg/kg body weight
NOAEL (oral,rat,90 days)	31.52 mg/kg body weight

Zinc powder -zinc dust (stabilized)	
NOAEL (oral,rat,90 days)	31.25 mg/kg body weight
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

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

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 : Repeated exposure may cause skin dryness or cracking. May cause moderate irritation.

Symptoms/effects after eye contact : May cause severe 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 : Very toxic to aquatic life with long lasting effects.

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

Butanone	
LC50 - Fish [1]	2973 mg/l

Butanone	
EC50 - Crustacea [1]	308 mg/l
EC50 72h - Algae [1]	1220 mg/l
EC50 96h - Algae [1]	1240 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

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

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.

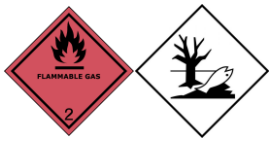
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. This material and its container must be disposed of as hazardous waste.

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

DOT	IMDG	IATA
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: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
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		
Contains chemical(s) subject to TSCA 12b export notification if product is shipped outside the U.S		
Zinc powder -zinc dust (stabilized)	CAS-No. 7440-66-6	35 – 50%

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%
Zinc powder -zinc dust (stabilized)	CAS-No. 7440-66-6	35 – 50%
Ethylbenzene	CAS-No. 100-41-4	1 – 3%

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

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

Zinc powder -zinc dust (stabilized) (7440-66-6)	
CERCLA RQ	1000 lb

Butanone (78-93-3)	
Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	5000 lb

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

15.2. International regulations

CANADA

Acetone (67-64-1)
Listed on the Canadian DSL (Domestic Substances List)

Xylene (1330-20-7)
Listed on the Canadian DSL (Domestic Substances List)

Zinc oxide (1314-13-2)

Listed on the Canadian DSL (Domestic Substances List)

Zinc powder -zinc dust (stabilized) (7440-66-6)

Listed on the Canadian DSL (Domestic Substances List)

Propane (74-98-6)

Listed on the Canadian DSL (Domestic Substances List)

Butane (containing < 0,1 % butadiene) (106-97-8)

Listed on the Canadian DSL (Domestic Substances List)

Butanone (78-93-3)

Listed on the Canadian DSL (Domestic Substances List)

Isobutane (containing < 0,1 % butadiene) (75-28-5)

Listed on the Canadian DSL (Domestic Substances List)

Ethylbenzene (100-41-4)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

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)

Zinc oxide (1314-13-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Zinc powder -zinc dust (stabilized) (7440-66-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Propane (74-98-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Butane (containing < 0,1 % butadiene) (106-97-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Butanone (78-93-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Isobutane (containing < 0,1 % butadiene) (75-28-5)

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)

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
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

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.