

## 1. Identification

<b>Product identifier</b>	<b>LPS® Cold Galvanize</b>
<b>Other means of identification</b>	
<b>Part Number</b>	00516
<b>Recommended use</b>	A zinc rich industrial maintenance primer designed for rust and corrosion protection.
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer</b>	
<b>Manufacturer</b>	
<b>Company name</b>	ITW Pro Brands
<b>Address</b>	4647 Hugh Howell Rd. Tucker, GA 30084
<b>Country</b>	(U.S.A.) Tel: +1 770-243-8800
<b>In Case of Emergency</b>	1-800-424-9300 (inside U.S.) +001 703-527-3887 (outside U.S.)
<b>Website</b>	www.itwprobrands.com
<b>E-mail</b>	lpssds@itwprobrands.com

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable aerosols	Category 1
	Gases under pressure	Liquefied gas
<b>Health hazards</b>	Acute toxicity, dermal	Category 4
	Acute toxicity, inhalation	Category 4
	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1B
	Carcinogenicity	Category 2
	Specific target organ toxicity, repeated exposure	Category 1 (Central Nervous System)
	Specific target organ toxicity, repeated exposure	Category 2 (liver, auditory organ, Kidney)
<b>Environmental hazards</b>	Not classified.	
<b>OSHA defined hazards</b>	Not classified.	

### Label elements



**Signal word**

Danger

**Hazard statement**

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Harmful in contact with skin. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing cancer. Causes damage to organs (Central Nervous System) through prolonged or repeated exposure. May cause damage to organs (liver, auditory organ, Kidney) through prolonged or repeated exposure.

**Precautionary statement**

**Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - 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. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

<b>Response</b>	If on skin: Wash with plenty of water. 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. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
<b>Storage</b>	Store locked up. Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50°C/122°F.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Metallic Zinc		7440-66-6	30 - 40
Petroleum Gases, Liquefied, Sweetened		68476-86-8	10 - 20
propan-2-one		67-64-1	10 - 20
Xylene		1330-20-7	5 - 10
Benzene, 1-Chloro-4 (Trifluoromethyl)		98-56-6	1 - 10
ethylbenzene		100-41-4	1 - 3
Mineral Spirits Regular Stoddard Solvent		8052-41-3	1 - 3
oxozinc		1314-13-2	1 - 3
Other components below reportable levels			6.02

### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/attention if you feel unwell. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Not likely, due to the form of the product. Rinse mouth. Get medical advice/attention if you feel unwell.
<b>Most important symptoms/effects, acute and delayed</b>	Narcosis. Behavioral changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash. Edema. Jaundice. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Alcohol resistant foam. Dry chemical powder. Dry sand. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Water. Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**Fire fighting equipment/instructions**

In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

**Specific methods**

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

**General fire hazards**

Extremely flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame.

**6. Accidental release measures**

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

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Do not breathe gas. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. The product is immiscible with water and will spread on the water surface. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Scoop up used absorbent into drums or other appropriate container. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

**Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

**7. Handling and storage**

**Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Close valve after each use and when empty. Protect cylinders from physical damage; do not drag, roll, slide, or drop. When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders. Suck back of water into the container must be prevented. Do not allow backfeed into the container. Purge air from system before introducing gas. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Do not breathe gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Keep away from heat, sparks and open flame. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in tightly closed container. Store in a well-ventilated place. Stored containers should be periodically checked for general condition and leakage. Store away from incompatible materials (see Section 10 of the SDS).

**8. Exposure controls/personal protection**

**Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value	Form
ethylbenzene (CAS 100-41-4)	PEL	435 mg/m3	
		100 ppm	
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	PEL	2900 mg/m3	
		500 ppm	
oxozinc (CAS 1314-13-2)	PEL	5 mg/m3	Respirable fraction.
		5 mg/m3	Fume.
		15 mg/m3	Total dust.
propan-2-one (CAS 67-64-1)	PEL	2400 mg/m3	
		1000 ppm	
Xylene (CAS 1330-20-7)	PEL	435 mg/m3	
		100 ppm	

**US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants**

Components	Type	Value	Form
ethylbenzene (CAS 100-41-4)	PEL	22 mg/m3	
		5 ppm	
		130 mg/m3	
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	PEL	30 ppm	
		525 mg/m3	
oxozinc (CAS 1314-13-2)	PEL	5 mg/m3	Fume.
		10 mg/m3	Fume.
propan-2-one (CAS 67-64-1)	Ceiling	3000 ppm	
	PEL	1200 mg/m3	
		500 ppm	
		1780 mg/m3	
Xylene (CAS 1330-20-7)	Ceiling	750 ppm	
	PEL	300 ppm	
		435 mg/m3	
		100 ppm	
STEL	655 mg/m3		
	150 ppm		

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	TWA	100 ppm	
oxozinc (CAS 1314-13-2)	STEL	10 mg/m3	Respirable fraction.
	TWA	2 mg/m3	Respirable fraction.
propan-2-one (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
	TWA	100 ppm	

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value	Form
ethylbenzene (CAS 100-41-4)	STEL	545 mg/m3	
		125 ppm	
	TWA	435 mg/m3	
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	Ceiling	1800 mg/m3	
		100 ppm	
	TWA	350 mg/m3	
oxozinc (CAS 1314-13-2)	Ceiling	15 mg/m3	Dust.
	STEL	10 mg/m3	Fume.
	TWA	5 mg/m3	Dust.
		5 mg/m3	Fume.
propan-2-one (CAS 67-64-1)	TWA	590 mg/m3	
		250 ppm	
Xylene (CAS 1330-20-7)	STEL	655 mg/m3	
		150 ppm	
	TWA	435 mg/m3	
		100 ppm	

**Biological limit values****ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
propan-2-one (CAS 67-64-1)	25 mg/l	Acetone	Urine	*
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

\* - For sampling details, please see the source document.

**Appropriate engineering controls**

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin protection****Hand protection**

Wear appropriate chemical resistant gloves.

**Other**

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

### Appearance

Physical state	Gas.
Form	Aerosol.
Color	Light grey. Opaque.
Odor	Aromatic. Hydrocarbon-like.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	< 73.4 °F (< 23.0 °C)
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.

### Upper/lower flammability or explosive limits

Explosive limit - lower (%)	0.9
Explosive limit - upper (%)	10.5

Vapor pressure > 1 kPa @ 25°C

Vapor density > 1 (air = 1)

Relative density Not available.

### Solubility(ies)

Solubility (water) Insoluble in water

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity 3000 - 4500 cSt

### Other information

Density 14.71 g/cm<sup>3</sup>

Explosive properties Not explosive.

Heat of combustion 20 - 30 kJ/g

Oxidizing properties Not oxidizing.

Percent volatile 55.4 %

Specific gravity 1.76 @ 25°C

VOC 0.76 MIR per U.S. State and Federal Aerosol Coating Regulations CARB

## 10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions Hazardous polymerization does not occur.

Conditions to avoid Heat. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials Strong acids. Strong oxidizing agents. Halogens.

Hazardous decomposition products Carbon oxides.

## 11. Toxicological information

### Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact Harmful in contact with skin. May cause an allergic skin reaction.

Eye contact Causes serious eye irritation.

Ingestion May cause discomfort if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**

Narcosis. Behavioral changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash. Edema. Jaundice.

**Information on toxicological effects**

**Acute toxicity** Harmful in contact with skin.

Product	Species	Test Results
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LPS® Cold Galvanize

**Acute**

**Dermal**

ATEmix

1500 mg/kg

Components	Species	Test Results
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Benzene, 1-Chloro-4 (Trifluoromethyl) (CAS 98-56-6)

**Acute**

**Oral**

LD50

Rat

380 mg/kg

ethylbenzene (CAS 100-41-4)

**Acute**

**Oral**

LD50

Rat

3500 mg/kg

Metallic Zinc (CAS 7440-66-6)

**Acute**

**Inhalation**

*Dust*

LC50

Rat

> 5400 mg/m3, 4 Hours

**Oral**

LD50

Rat

630 mg/kg

oxozinc (CAS 1314-13-2)

**Acute**

**Dermal**

LD50

Rat

> 2000 mg/kg, 24 Hours

**Inhalation**

LC50

Rat

> 5700 mg/m3, 4 Hours

**Oral**

LD50

Rat

> 5000 mg/kg

propan-2-one (CAS 67-64-1)

**Acute**

**Inhalation**

*Vapor*

LC50

Rat

50 mg/l, 4 Hours

**Oral**

LD50

Rat

5800 mg/kg

Xylene (CAS 1330-20-7)

**Acute**

**Dermal**

LD50

Rabbit

12000 mg/kg, 24 Hours

**Oral**

LD50

Rat

3500 mg/kg

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Causes serious eye irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Suspected of causing cancer.

**ACGIH Carcinogens**

ethylbenzene (CAS 100-41-4)	A3 Confirmed animal carcinogen with unknown relevance to humans.
propan-2-one (CAS 67-64-1)	A4 Not classifiable as a human carcinogen.
Xylene (CAS 1330-20-7)	A4 Not classifiable as a human carcinogen.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Benzene, 1-Chloro-4 (Trifluoromethyl) (CAS 98-56-6)	2B Possibly carcinogenic to humans.
ethylbenzene (CAS 100-41-4)	2B Possibly carcinogenic to humans.
Xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity** Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Causes damage to organs (Central Nervous System) through prolonged or repeated exposure. May cause damage to organs (liver, auditory organ, Kidney) through prolonged or repeated exposure.

**Aspiration hazard** Not an aspiration hazard. Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful. Causes damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure. Prolonged exposure may cause chronic effects.

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
ethylbenzene (CAS 100-41-4)			
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	>= 1.37 - <= 4.4 mg/l, 48 hours
Fish	LC50	Atlantic silverside (Menidia menidia)	>= 4.4 - <= 5.7 mg/l, 96 hours
Metallic Zinc (CAS 7440-66-6)			
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	2.8 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.41 mg/l, 96 hours
oxozinc (CAS 1314-13-2)			
<b>Aquatic</b>			
<i>Acute</i>			
Fish	LC50	Fathead minnow (Pimephales promelas)	2246 mg/l, 96 hours
propan-2-one (CAS 67-64-1)			
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	>= 10294 - <= 17704 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	>= 4740 - <= 6330 mg/l, 96 hours
Xylene (CAS 1330-20-7)			
<b>Aquatic</b>			
<i>Acute</i>			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	>= 6.702 - <= 10.032 mg/l, 96 hours



**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

Benzene, 1-Chloro-4 (Trifluoromethyl)	3.6
ethylbenzene	3.15
propan-2-one	-0.24

**Mobility in soil** Not established.

**Other adverse effects** None known.

**13. Disposal considerations**

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Incinerate the material under controlled conditions in an approved incinerator. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** D001: Waste Flammable material with a flash point <140 F  
D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel]  
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

**14. Transport information**

**DOT**

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	2.1
<b>Packing group</b>	Not available.
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	N82
<b>Packaging exceptions</b>	306
<b>Packaging non bulk</b>	None
<b>Packaging bulk</b>	None

**IATA**

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	2.1
<b>Packing group</b>	Not available.
<b>Environmental hazards</b>	Yes
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed with restrictions.
<b>Cargo aircraft only</b>	Allowed with restrictions.

**IMDG**

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable, MARINE POLLUTANT
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	2.1
<b>Packing group</b>	Not available.

**Environmental hazards**

**Marine pollutant**

Yes

**EmS**

Not available.

**Special precautions for user**

Read safety instructions, SDS and emergency procedures before handling.

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

Not applicable.

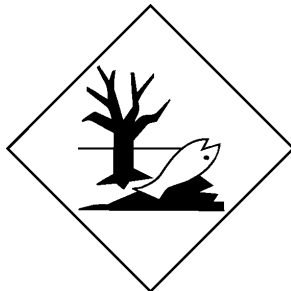
**DOT**



**IATA; IMDG**



**Marine pollutant**



**General information**

IMDG Regulated Marine Pollutant. Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers: Ensure that containers are firmly secured. Ensure cylinder valve is closed and not leaking. Ensure valve outlet cap nut or plug (where provided) is correctly fitted. Ensure valve protection device (where provided) is correctly fitted. Ensure adequate ventilation. Ensure compliance with applicable regulations.

**15. Regulatory information**

**US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Toxic Substances Control Act (TSCA)**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Benzene, 1-Chloro-4 (Trifluoromethyl) (CAS 98-56-6) 0.1 % One-Time Export Notification only.  
Metallic Zinc (CAS 7440-66-6) 1.0 % Annual Export Notification required.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

ethylbenzene (CAS 100-41-4) Listed.  
Metallic Zinc (CAS 7440-66-6) Listed.  
propan-2-one (CAS 67-64-1) Listed.  
Xylene (CAS 1330-20-7) Listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Flammable (gases, aerosols, liquids, or solids)  
 Gas under pressure  
 Acute toxicity (any route of exposure)  
 Serious eye damage or eye irritation  
 Respiratory or skin sensitization  
 Carcinogenicity  
 Specific target organ toxicity (single or repeated exposure)

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Ethylbenzene	100-41-4	1 - 3
Xylene (mixed isomers)	1330-20-7	5 - 10
ZINC (FUME OR DUST)	7440-66-6	30 - 40

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

ethylbenzene (CAS 100-41-4)  
 Xylene (CAS 1330-20-7)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Contains component(s) regulated under the Safe Drinking Water Act.**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

propan-2-one (CAS 67-64-1) 6532

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

propan-2-one (CAS 67-64-1) 35 %WV

**DEA Exempt Chemical Mixtures Code Number**

propan-2-one (CAS 67-64-1) 6532

**FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

propan-2-one (CAS 67-64-1) Low priority

**US state regulations****US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Benzene, 1-Chloro-4 (Trifluoromethyl) (CAS 98-56-6)  
 ethylbenzene (CAS 100-41-4)  
 Metallic Zinc (CAS 7440-66-6)  
 Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)  
 Petroleum Gases, Liquefied, Sweetened (CAS 68476-86-8)  
 propan-2-one (CAS 67-64-1)  
 Xylene (CAS 1330-20-7)

**US. New Jersey Worker and Community Right-to-Know Act**

ethylbenzene (CAS 100-41-4)  
 Metallic Zinc (CAS 7440-66-6)  
 Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)  
 oxozinc (CAS 1314-13-2)  
 propan-2-one (CAS 67-64-1)  
 Xylene (CAS 1330-20-7)

**California Proposition 65**

**WARNING:** This product can expose you to chemicals including Benzene, 1-Chloro-4 (Trifluoromethyl), which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Benzene, 1-Chloro-4 (Trifluoromethyl) (CAS 98-56-6) Listed: June 28, 2018  
 Listed: June 28, 2019  
 ethylbenzene (CAS 100-41-4) Listed: June 11, 2004

## 16. Other information, including date of preparation or last revision

**Issue date** 10-19-2015

**Revision date** 03-01-2023

**Version #** 03

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**Revision information** This document has undergone significant changes and should be reviewed in its entirety.