

# SAFETY DATA SHEET

## 1. Identification

**Product number** 1000028756  
**Product identifier** 4.75 OZ NAPA MAC'S BELT DRESSING 1399  
**Company information** NAPA Balkamp  
2601 S. Holt Road  
Indianapolis, IN 46241 United States  
**Company phone** General Assistance 1-317-244-7241  
**Emergency telephone US** 1-866-836-8855  
**Emergency telephone outside US** 1-952-852-4646  
**Version #** 01  
**Recommended use** LUBRICANT  
**Recommended restrictions** None known.

## 2. Hazard(s) identification

**Physical hazards** Flammable aerosols Category 1  
**Health hazards** Skin corrosion/irritation Category 2  
Reproductive toxicity (fertility, the unborn child) Category 2  
Specific target organ toxicity, repeated exposure Category 1  
Aspiration hazard Category 1  
**OSHA defined hazards** Not classified.

### Label elements



**Signal word** Danger

**Hazard statement** Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. Suspected of damaging the unborn child. Suspected of damaging fertility. Causes damage to organs 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 mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

#### Storage

Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

#### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 2

Hazardous to the aquatic environment, long-term hazard Category 2

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Xylene		1330-20-7	20 - 40
Methyl Propyl Ketone		107-87-9	10 - 20
Propane		74-98-6	10 - 20
Asphalt		8052-42-4	2.5 - 10
Butane		106-97-8	2.5 - 10
Ethyl Benzene		100-41-4	2.5 - 10
Heptane, branched, cyclic and linear		426260-76-6	2.5 - 10
Naphtha (petroleum), Hydrotreated Light		64742-49-0	2.5 - 10
Cyclohexane		110-82-7	1 - 2.5
Methyl Isobutyl Ketone		108-10-1	1 - 2.5
Solvent Naphtha (Petroleum), Medium Aliphatic		64742-88-7	1 - 2.5
Trizinc Bis(orthophosphate)		7779-90-0	1 - 2.5
Zinc Oxide		1314-13-2	1 - 2.5
n-Hexane		110-54-3	0.1 - 1
Octane		111-65-9	0.1 - 1
Toluene		108-88-3	0.1 - 1
Other components below reportable levels			10 - 20

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 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. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
<b>Most important symptoms/effects, acute and delayed</b>	Aspiration may cause pulmonary edema and pneumonitis. Skin irritation. May cause redness and pain. 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 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.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	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.
<b>Fire fighting equipment/instructions</b>	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.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. 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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. 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. For waste disposal, see section 13 of the SDS.

**Environmental precautions** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. 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. Do not re-use empty containers. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Level 2 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

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

Components	Type	Value	Form
Cyclohexane (CAS 110-82-7)	PEL	1050 mg/m <sup>3</sup>	
		300 ppm	
Ethyl Benzene (CAS 100-41-4)	PEL	435 mg/m <sup>3</sup>	
Methyl Isobutyl Ketone (CAS 108-10-1)	PEL	100 ppm	
		410 mg/m <sup>3</sup>	
Methyl Propyl Ketone (CAS 107-87-9)	PEL	100 ppm	
		700 mg/m <sup>3</sup>	
n-Hexane (CAS 110-54-3)	PEL	200 ppm	
		1800 mg/m <sup>3</sup>	
Octane (CAS 111-65-9)	PEL	500 ppm	
		2350 mg/m <sup>3</sup>	
		500 ppm	

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

Components	Type	Value	Form
Propane (CAS 74-98-6)	PEL	1800 mg/m3 1000 ppm	
Xylene (CAS 1330-20-7)	PEL	435 mg/m3 100 ppm	
Zinc Oxide (CAS 1314-13-2)	PEL	5 mg/m3 5 mg/m3 15 mg/m3	Respirable fraction. Fume. Total dust.

**US. OSHA Table Z-2 (29 CFR 1910.1000)**

Components	Type	Value	
Toluene (CAS 108-88-3)	Ceiling TWA	300 ppm 200 ppm	

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	TWA	0.5 mg/m3	Inhalable fraction.
Butane (CAS 106-97-8)	STEL	1000 ppm	
Cyclohexane (CAS 110-82-7)	TWA	100 ppm	
Ethyl Benzene (CAS 100-41-4)	TWA	20 ppm	
Methyl Isobutyl Ketone (CAS 108-10-1)	STEL	75 ppm	
Methyl Propyl Ketone (CAS 107-87-9)	TWA STEL	20 ppm 150 ppm	
n-Hexane (CAS 110-54-3)	TWA	50 ppm	
Octane (CAS 111-65-9)	TWA	300 ppm	
Toluene (CAS 108-88-3)	TWA	20 ppm	
Xylene (CAS 1330-20-7)	STEL TWA	150 ppm 100 ppm	
Zinc Oxide (CAS 1314-13-2)	STEL TWA	10 mg/m3 2 mg/m3	Respirable fraction. Respirable fraction.

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

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	Ceiling	5 mg/m3	Fume.
Butane (CAS 106-97-8)	TWA	1900 mg/m3 800 ppm	
Cyclohexane (CAS 110-82-7)	TWA	1050 mg/m3 300 ppm	
Ethyl Benzene (CAS 100-41-4)	STEL TWA	545 mg/m3 125 ppm 435 mg/m3	
Methyl Isobutyl Ketone (CAS 108-10-1)	STEL TWA	300 mg/m3 75 ppm 205 mg/m3	
Methyl Propyl Ketone (CAS 107-87-9)	TWA	50 ppm 530 mg/m3	
n-Hexane (CAS 110-54-3)	TWA	150 ppm 180 mg/m3	

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

Components	Type	Value	Form
Octane (CAS 111-65-9)	Ceiling	50 ppm 1800 mg/m3	
	TWA	385 ppm 350 mg/m3	
Propane (CAS 74-98-6)	TWA	75 ppm 1800 mg/m3	
	STEL	1000 ppm 560 mg/m3	
Zinc Oxide (CAS 1314-13-2)	Ceiling	150 ppm 15 mg/m3	Dust.
	STEL	100 ppm 10 mg/m3	Fume.
	TWA	5 mg/m3 5 mg/m3	Fume. Dust.

**Biological limit values**

**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Ethyl Benzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
Methyl Isobutyl Ketone (CAS 108-10-1)	1 mg/l	Methyl isobutyl ketone	Urine	*
n-Hexane (CAS 110-54-3)	0.4 mg/l	2,5-Hexanedio n, without hydrolysis	Urine	*
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

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

**Exposure guidelines**

**US - California OELs: Skin designation**

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.  
Toluene (CAS 108-88-3) Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

Toluene (CAS 108-88-3) Skin designation applies.

**US ACGIH Threshold Limit Values: Skin designation**

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) 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. Eye wash facilities and emergency shower must be available when handling this product.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Chemical respirator with organic vapor cartridge and full facepiece.

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

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

**Respiratory protection** Chemical respirator with organic vapor cartridge and full facepiece.

**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.

**9. Physical and chemical properties****Appearance**

**Physical state** Liquid.  
**Form** Aerosol.  
**Color** Not available.

**Odor** Not available.

**Odor threshold** Not available.

**pH** 6.2 - 7.2

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** 219.54 °F (104.19 °C) estimated

**Flash point** -154.0 °F (-103.3 °C) Propellant estimated

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not applicable.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** 1.3 % estimated

**Flammability limit - upper (%)** 7.6 % estimated

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** 35 - 55 psig @70F estimated

**Vapor density** Not available.

**Relative density** Not available.

**Solubility(ies)**

**Solubility (water)** Not available.

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

**Auto-ignition temperature** 692.33 °F (366.85 °C) estimated

**Decomposition temperature** Not available.

**Viscosity** Not available.

**Other information**

**Aerosol spray ignition distance** < 30 in

**Density** 0.86 g/cm<sup>3</sup> estimated

**Explosive properties** Not explosive.

**Flammability class** Flammable IB estimated

**Heat of combustion (NFPA 30B)** 25.66 kJ/g estimated

**Oxidizing properties** Not oxidizing.

**Percent volatile** 69.46 % estimated

**Specific gravity** 0.832 estimated

**VOC (Weight %)** 21.6 % estimated

**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.

<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong acids. Strong oxidizing agents. Halogens.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	May cause damage to organs through prolonged or repeated exposure by inhalation.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

**Symptoms related to the physical, chemical and toxicological characteristics**      Aspiration may cause pulmonary edema and pneumonitis. Skin irritation. May cause redness and pain.

### Information on toxicological effects

**Acute toxicity**      May be fatal if swallowed and enters airways.

Components	Species	Test Results
Asphalt (CAS 8052-42-4)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg, 24 Hours
<b>Inhalation</b>		
LC50	Rat	> 94.4 mg/m3
Butane (CAS 106-97-8)		
<b>Acute</b>		
<b>Inhalation</b>		
LC50	Mouse	1237 mg/l, 120 Minutes 52 %, 120 Minutes
	Rat	1355 mg/l
Cyclohexane (CAS 110-82-7)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 32880 mg/m3, 4 Hours > 5540 ppm, 4 Hours
<b>Oral</b>		
LD50	Rabbit	> 5000 mg/kg
	Rat	> 5000 mg/kg
Ethyl Benzene (CAS 100-41-4)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	17.8 ml/kg, 24 Hours
<b>Inhalation</b>		
LC50	Mouse	> 8000 ppm, 20 Minutes
	Rat	4000 ppm
<b>Oral</b>		
LD50	Rat	3500 mg/kg

Components	Species	Test Results
Methyl Isobutyl Ketone (CAS 108-10-1)		
<b><u>Acute</u></b>		
<b>Inhalation</b>		
LC50	Rat	2000 - 4000 ppm, 4 Hours
<b>Oral</b>		
LD50	Rat	2.08 g/kg
Methyl Propyl Ketone (CAS 107-87-9)		
<b><u>Acute</u></b>		
<b>Inhalation</b>		
<i>Vapor</i>		
LC50	Rat	> 25.5 mg/l, 4 Hours
<b>Oral</b>		
LD50	Mouse	1600 mg/kg
	Rat	1600 - 3200 mg/kg
Naphtha (petroleum), Hydrotreated Light (CAS 64742-49-0)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Guinea pig; Rabbit	> 9.4 ml/kg, 24 Hours
	Rabbit	> 1900 mg/kg, 24 Hours
<b>Inhalation</b>		
LC50	Rat	> 5000 mg/m3, 4 Hours > 4980 mg/m3 > 4980 mg/m3, 4 Hours > 4.96 mg/l, 4 Hours 13700 ppm, 4 Hours
<b>Oral</b>		
LD50	Rat	4820 mg/kg
n-Hexane (CAS 110-54-3)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg, 4 Hours > 5 ml/kg, 4 Hours
<b>Inhalation</b>		
LC50	Rat	> 5000 ppm, 24 Hours > 31.86 mg/l 73860 ppm, 4 Hours
<b>Oral</b>		
LD50	Rat	24 g/kg 24 ml/kg
	Wistar rat	49 g/kg
Octane (CAS 111-65-9)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg, 24 Hours
<b>Inhalation</b>		
LC50	Rat	> 24.88 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg



Components	Species	Test Results
Propane (CAS 74-98-6)		
<b><u>Acute</u></b>		
<b>Inhalation</b>		
LC50	Mouse	1237 mg/l, 120 Minutes
		52 %, 120 Minutes
	Rat	1355 mg/l
		658 mg/l/4h
Solvent Naphtha (Petroleum), Medium Aliphatic (CAS 64742-88-7)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
		> 2000 mg/kg, 24 Hours
<b>Inhalation</b>		
LC50	Cat	> 6.4 mg/l, 6 Hours
	Rat	> 7.5 mg/l, 6 Hours
		> 4.3 mg/l, 4 Hours
		> 0.1 mg/l, 8 Hours
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
Toluene (CAS 108-88-3)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	> 5000 mg/kg, 24 Hours
<b>Inhalation</b>		
LC50	Mouse	6405 - 7436 ppm, 6 Hours
		5320 ppm, 8 Hours
	Rat	5879 - 6281 ppm, 6 Hours
		25.7 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
Trizinc Bis(orthophosphate) (CAS 7779-90-0)		
<b><u>Acute</u></b>		
<b>Inhalation</b>		
LC50	Rat	> 5410 mg/m3
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
Xylene (CAS 1330-20-7)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	> 5000 ml/kg, 4 Hours
		12126 mg/kg, 24 Hours
<b>Inhalation</b>		
LC50	Rat	5922 ppm, 4 Hours
<b>Oral</b>		
LD50	Mouse	5251 mg/kg
	Rat	3523 mg/kg
		10 ml/kg

Components	Species	Test Results
Zinc Oxide (CAS 1314-13-2)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg, 24 Hours
<b>Inhalation</b>		
LC50	Rat	> 5700 mg/m3
<b>Oral</b>		
LD50	Mouse	2000 - 5000 mg/kg
	Rat	> 5000 mg/kg

\* Estimates for product may be based on additional component data not shown.

<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	Risk of cancer cannot be excluded with prolonged exposure.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Asphalt (CAS 8052-42-4)	2B Possibly carcinogenic to humans.
Ethyl Benzene (CAS 100-41-4)	2B Possibly carcinogenic to humans.
Methyl Isobutyl Ketone (CAS 108-10-1)	2B Possibly carcinogenic to humans.
Toluene (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.
Xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

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

Not listed.

<b>Reproductive toxicity</b>	Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. Suspected of damaging fertility. Suspected of damaging the unborn child.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Causes damage to organs through prolonged or repeated exposure.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.
<b>Chronic effects</b>	Causes damage to organs through prolonged or repeated exposure. Prolonged exposure may cause chronic effects.

## 12. Ecological information

<b>Ecotoxicity</b>	Toxic to aquatic life with long lasting effects.
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Components	Species	Test Results
Cyclohexane (CAS 110-82-7)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow (Pimephales promelas) 23.03 - 42.07 mg/l, 96 hours
Ethyl Benzene (CAS 100-41-4)		
<b>Aquatic</b>		
Algae	IC50	Algae 4.6 mg/L, 72 Hours
Crustacea	EC50	Daphnia 2.1 mg/L, 48 Hours
		Water flea (Daphnia magna) 1.37 - 4.4 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas) 7.5 - 11 mg/l, 96 hours

Components	Species	Test Results
Methyl Isobutyl Ketone (CAS 108-10-1)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow (Pimephales promelas) 492 - 593 mg/l, 96 hours
Methyl Propyl Ketone (CAS 107-87-9)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow (Pimephales promelas) 1190 - 1290 mg/l, 96 hours
n-Hexane (CAS 110-54-3)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow (Pimephales promelas) 2.101 - 2.981 mg/l, 96 hours
Solvent Naphtha (Petroleum), Medium Aliphatic (CAS 64742-88-7)		
<b>Aquatic</b>		
Crustacea	EC50	Daphnia 100.0001 mg/L, 48 Hours
Toluene (CAS 108-88-3)		
<b>Aquatic</b>		
Algae	IC50	Algae 433.0001 mg/L, 72 Hours
Crustacea	EC50	Daphnia 7.645 mg/L, 48 Hours
		Water flea (Daphnia magna) 5.46 - 9.83 mg/l, 48 hours
Fish	LC50	Coho salmon,silver salmon (Oncorhynchus kisutch) 8.11 mg/l, 96 hours
Trizinc Bis(orthophosphate) (CAS 7779-90-0)		
<b>Aquatic</b>		
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss) 0.09 mg/l, 96 hours
Xylene (CAS 1330-20-7)		
<b>Aquatic</b>		
Fish	LC50	Bluegill (Lepomis macrochirus) 7.711 - 9.591 mg/l, 96 hours
Zinc Oxide (CAS 1314-13-2)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow (Pimephales promelas) 2246 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

#### Bioaccumulative potential

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

Butane	2.89
Cyclohexane	3.44
Ethyl Benzene	3.15
Methyl Isobutyl Ketone	1.31
Methyl Propyl Ketone	0.91
n-Hexane	3.9
Octane	5.18
Propane	2.36
Toluene	2.73
Xylene	3.12 - 3.2

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 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. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	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).
<b>Contaminated packaging</b>	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, (each not exceeding 1 L capacity)
<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 applicable.
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling. 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

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

### 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 applicable.
<b>Environmental hazards</b>	Yes
<b>ERG Code</b>	10L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling. 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.
<b>Packaging Exceptions</b>	LTD QTY

### IMDG

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	AEROSOLS
<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 applicable.
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>EmS</b>	F-D, S-U
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
<b>Packaging Exceptions</b>	LTD QTY

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

Not applicable.

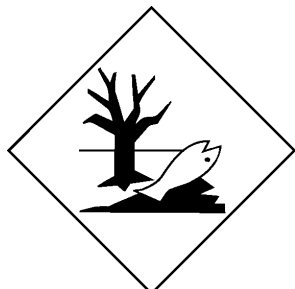
DOT



IATA; IMDG



Marine pollutant



General information

DOT Regulated Marine Pollutant. IMDG Regulated Marine Pollutant.

## 15. Regulatory information

US federal regulations

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

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

Not regulated.

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

Cyclohexane (CAS 110-82-7)	Listed.
Ethyl Benzene (CAS 100-41-4)	Listed.
Methyl Isobutyl Ketone (CAS 108-10-1)	Listed.
n-Hexane (CAS 110-54-3)	Listed.
Toluene (CAS 108-88-3)	Listed.
Xylene (CAS 1330-20-7)	Listed.

### SARA 304 Emergency release notification

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories

Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Xylene	1330-20-7	20 - 40
Ethyl Benzene	100-41-4	2.5 - 10
Cyclohexane	110-82-7	1 - 2.5
Methyl Isobutyl Ketone	108-10-1	1 - 2.5
n-Hexane	110-54-3	0.1 - 1
Toluene	108-88-3	0.1 - 1

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

Ethyl Benzene (CAS 100-41-4)  
Methyl Isobutyl Ketone (CAS 108-10-1)  
n-Hexane (CAS 110-54-3)  
Toluene (CAS 108-88-3)  
Xylene (CAS 1330-20-7)

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

Butane (CAS 106-97-8)  
Propane (CAS 74-98-6)

**Safe Drinking Water Act (SDWA)** Not regulated.**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

Methyl Isobutyl Ketone (CAS 108-10-1) 6715  
Toluene (CAS 108-88-3) 6594

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

Methyl Isobutyl Ketone (CAS 108-10-1) 35 %WV  
Toluene (CAS 108-88-3) 35 %WV

**DEA Exempt Chemical Mixtures Code Number**

Methyl Isobutyl Ketone (CAS 108-10-1) 6715  
Toluene (CAS 108-88-3) 594

**US state regulations****US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

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

Asphalt (CAS 8052-42-4)  
Butane (CAS 106-97-8)  
Ethyl Benzene (CAS 100-41-4)  
Methyl Isobutyl Ketone (CAS 108-10-1)  
Naphtha (petroleum), Hydrotreated Light (CAS 64742-49-0)  
n-Hexane (CAS 110-54-3)  
Toluene (CAS 108-88-3)  
Xylene (CAS 1330-20-7)

**US. Massachusetts RTK - Substance List**

Asphalt (CAS 8052-42-4)  
Butane (CAS 106-97-8)  
Cyclohexane (CAS 110-82-7)  
Ethyl Benzene (CAS 100-41-4)  
Methyl Isobutyl Ketone (CAS 108-10-1)  
Methyl Propyl Ketone (CAS 107-87-9)  
n-Hexane (CAS 110-54-3)  
Octane (CAS 111-65-9)  
Propane (CAS 74-98-6)  
Toluene (CAS 108-88-3)  
Xylene (CAS 1330-20-7)  
Zinc Oxide (CAS 1314-13-2)

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

Asphalt (CAS 8052-42-4)  
 Butane (CAS 106-97-8)  
 Cyclohexane (CAS 110-82-7)  
 Ethyl Benzene (CAS 100-41-4)  
 Methyl Isobutyl Ketone (CAS 108-10-1)  
 Methyl Propyl Ketone (CAS 107-87-9)  
 n-Hexane (CAS 110-54-3)  
 Octane (CAS 111-65-9)  
 Propane (CAS 74-98-6)  
 Toluene (CAS 108-88-3)  
 Xylene (CAS 1330-20-7)  
 Zinc Oxide (CAS 1314-13-2)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Asphalt (CAS 8052-42-4)  
 Butane (CAS 106-97-8)  
 Cyclohexane (CAS 110-82-7)  
 Ethyl Benzene (CAS 100-41-4)  
 Methyl Isobutyl Ketone (CAS 108-10-1)  
 Methyl Propyl Ketone (CAS 107-87-9)  
 n-Hexane (CAS 110-54-3)  
 Octane (CAS 111-65-9)  
 Propane (CAS 74-98-6)  
 Toluene (CAS 108-88-3)  
 Xylene (CAS 1330-20-7)  
 Zinc Oxide (CAS 1314-13-2)

**US. Rhode Island RTK**

Butane (CAS 106-97-8)  
 Cyclohexane (CAS 110-82-7)  
 Ethyl Benzene (CAS 100-41-4)  
 Methyl Isobutyl Ketone (CAS 108-10-1)  
 n-Hexane (CAS 110-54-3)  
 Propane (CAS 74-98-6)  
 Toluene (CAS 108-88-3)  
 Xylene (CAS 1330-20-7)

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

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

Ethyl Benzene (CAS 100-41-4) Listed: June 11, 2004  
 Methyl Isobutyl Ketone (CAS 108-10-1) Listed: November 4, 2011

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**

Methyl Isobutyl Ketone (CAS 108-10-1) Listed: March 28, 2014  
 Toluene (CAS 108-88-3) Listed: January 1, 1991

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

**Issue date** 06-28-2016

**Version #** 01

**Disclaimer** We cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

**Revision information** Product and Company Identification: Product and Company Identification  
Hazard(s) identification: Hazard statement