

1. Identification

Product identifier USC Premium Grade Lacquer Thinner

Other means of identification

Product Code 115-1

Recommended use Automotive Refinish Reducer/Thinner

Manufacturer/Importer/Supplier/Distributor information

Company name VALSPAR Automotive

Address
600 Nova Drive SE
Massillon, Ohio 44646
United States

Telephone General Assistance 330-299-8879

Website www.valsparauto.com

E-mail RON.ANDRUS@valspar.com

Contact person Ronald Andrus

Emergency phone number CHEMTREC 800-424-9300

2. Hazard(s) identification

Physical hazards	Flammable liquids	Category 2
Health hazards	Acute toxicity, oral	Category 3
	Acute toxicity, dermal	Category 3
	Acute toxicity, inhalation	Category 3
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 2
	Specific target organ toxicity, single exposure	Category 1
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
Environmental hazards	Specific target organ toxicity, repeated exposure	Category 1
	Hazardous to the aquatic environment, acute hazard	Category 2
OSHA defined hazards	Hazardous to the aquatic environment, long-term hazard	Category 2
	Not classified.	

Label elements



Signal word Danger

Hazard statement Highly flammable liquid and vapor. Toxic if swallowed. Toxic in contact with skin. Causes skin irritation. Causes serious eye damage. Toxic if inhaled. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

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. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If swallowed: Immediately call a poison center/doctor. Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Take off immediately all contaminated clothing and wash it before reuse. Collect spillage. In case of fire: Use appropriate media to extinguish.

Storage

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

Disposal

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

Hazard(s) not otherwise classified (HNOC)

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

Supplemental information

15.58% of the mixture consists of component(s) of unknown acute dermal toxicity. 39.5% of the mixture consists of component(s) of unknown acute inhalation toxicity. 64.25% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 64.25% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
methanol		67-56-1	30 to <40
Toluene		108-88-3	20 to <30
acetone		67-64-1	10 to <20
1-Propanol		71-23-8	1 to <5
2-butanone		78-93-3	1 to <5
2-Butoxyethanol		111-76-2	1 to <5
2-Heptanone		110-43-0	1 to <5
Ethanol		64-17-5	1 to <5
ethyl acetate		141-78-6	1 to <5
n-PROPYL ACETATE		109-60-4	1 to <5
Xylene		1330-20-7	1 to <5
Ethyl benzene		100-41-4	0.1 to <1
Other components below reportable levels			0.1 to <1

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

4. First-aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician.

Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact

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 immediately.

Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
Most important symptoms/effects, acute and delayed	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off immediately all contaminated clothing. 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

Suitable extinguishing media	Water fog. Alcohol resistant foam. Carbon dioxide (CO ₂). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Highly flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). 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. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. 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	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. 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. 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. Use appropriate containment to avoid environmental contamination.

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. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. 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 outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. 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
1-Propanol (CAS 71-23-8)	PEL	500 mg/m3 200 ppm
2-butanone (CAS 78-93-3)	PEL	590 mg/m3 200 ppm
2-Butoxyethanol (CAS 111-76-2)	PEL	240 mg/m3 50 ppm
2-Heptanone (CAS 110-43-0)	PEL	465 mg/m3 100 ppm
acetone (CAS 67-64-1)	PEL	2400 mg/m3 1000 ppm
Ethanol (CAS 64-17-5)	PEL	1900 mg/m3 1000 ppm
ethyl acetate (CAS 141-78-6)	PEL	1400 mg/m3 400 ppm
Ethyl benzene (CAS 100-41-4)	PEL	435 mg/m3 100 ppm
methanol (CAS 67-56-1)	PEL	260 mg/m3 200 ppm
n-PROPYL ACETATE (CAS 109-60-4)	PEL	840 mg/m3 200 ppm

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

Components	Type	Value
Xylene (CAS 1330-20-7)	PEL	435 mg/m3
		100 ppm

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

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

US. ACGIH Threshold Limit Values

Components	Type	Value
1-Propanol (CAS 71-23-8)	TWA	100 ppm
2-butanone (CAS 78-93-3)	STEL	300 ppm
	TWA	200 ppm
2-Butoxyethanol (CAS 111-76-2)	TWA	20 ppm
2-Heptanone (CAS 110-43-0)	TWA	50 ppm
	STEL	750 ppm
acetone (CAS 67-64-1)	TWA	500 ppm
	STEL	1000 ppm
Ethanol (CAS 64-17-5)	TWA	400 ppm
ethyl acetate (CAS 141-78-6)	TWA	20 ppm
	STEL	250 ppm
Ethyl benzene (CAS 100-41-4)	TWA	200 ppm
	STEL	250 ppm
methanol (CAS 67-56-1)	TWA	200 ppm
	STEL	250 ppm
n-PROPYL ACETATE (CAS 109-60-4)	TWA	200 ppm
	TWA	20 ppm
Toluene (CAS 108-88-3)	STEL	150 ppm
	TWA	100 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
1-Propanol (CAS 71-23-8)	STEL	625 mg/m3
		250 ppm
	TWA	500 mg/m3
2-butanone (CAS 78-93-3)		200 ppm
	STEL	885 mg/m3
	TWA	300 ppm
2-Butoxyethanol (CAS 111-76-2)		590 mg/m3
		200 ppm
	TWA	24 mg/m3
2-Heptanone (CAS 110-43-0)		5 ppm
	TWA	465 mg/m3
		100 ppm
acetone (CAS 67-64-1)	TWA	590 mg/m3
		250 ppm
	TWA	1900 mg/m3
Ethanol (CAS 64-17-5)		1000 ppm
	TWA	1400 mg/m3
		400 ppm
ethyl acetate (CAS 141-78-6)		545 mg/m3
	TWA	
	STEL	
Ethyl benzene (CAS 100-41-4)		
	STEL	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
methanol (CAS 67-56-1)	TWA	125 ppm
		435 mg/m3
	STEL	100 ppm
		325 mg/m3
n-PROPYL ACETATE (CAS 109-60-4)	TWA	250 ppm
		260 mg/m3
	STEL	200 ppm
		1050 mg/m3
Toluene (CAS 108-88-3)	TWA	250 ppm
		840 mg/m3
	STEL	200 ppm
		560 mg/m3
TWA	150 ppm	
	375 mg/m3	
		100 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
2-butanone (CAS 78-93-3)	2 mg/l	MEK	Urine	*
2-Butoxyethanol (CAS 111-76-2)	200 mg/g	Butoxyacetic acid (BAA), with hydrolysis	Creatinine in urine	*
acetone (CAS 67-64-1)	50 mg/l	Acetone	Urine	*
Ethyl benzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
methanol (CAS 67-56-1)	15 mg/l	Methanol	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

1-Propanol (CAS 71-23-8)	Can be absorbed through the skin.
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed through the skin.
methanol (CAS 67-56-1)	Can be absorbed through the skin.
Toluene (CAS 108-88-3)	Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

1-Propanol (CAS 71-23-8)	Skin designation applies.
2-Butoxyethanol (CAS 111-76-2)	Skin designation applies.
methanol (CAS 67-56-1)	Skin designation applies.
Toluene (CAS 108-88-3)	Skin designation applies.

US - Tennessee OELs: Skin designation

2-Butoxyethanol (CAS 111-76-2)	Can be absorbed through the skin.
methanol (CAS 67-56-1)	Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

methanol (CAS 67-56-1)	Can be absorbed through the skin.
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US NIOSH Pocket Guide to Chemical Hazards: Skin designation

1-Propanol (CAS 71-23-8)	Can be absorbed through the skin.
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed through the skin.
methanol (CAS 67-56-1)	Can be absorbed through the skin.

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

2-Butoxyethanol (CAS 111-76-2)

Can be absorbed through the skin.

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. 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

Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection

Hand protection

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

Other

Wear appropriate chemical resistant clothing.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. Keep away from food and drink. 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

Liquid.

Color

Clear colorless or nearly colorless

Odor

Solvent.

Odor threshold

Not available.

pH

Not available.

Melting point/freezing point

-144.04 °F (-97.8 °C) estimated

Initial boiling point and boiling range

132.89 °F (56.05 °C) estimated

Flash point

-4.0 °F (-20.0 °C) 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 (%)

36 % estimated

Explosive limit - lower (%)

Not available.

Explosive limit - upper (%)

Not available.

Vapor pressure

145.09 hPa 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

464 °F (240 °C) estimated

Decomposition temperature

Not available.

Viscosity

Not available.

Other information

Density	6.86 lbs/gal
Explosive properties	Not explosive.
Flammability class	Flammable IB estimated
Oxidizing properties	Not oxidizing.
Percent volatile	100 %
Specific gravity	0.82
VOC	6.2 lbs/gal Material 6.9 lbs/gal Regulatory 740 g/l Material 827 g/l Regulatory

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	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong acids. Strong oxidizing agents. Halogens.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation Toxic if inhaled. May cause damage to organs by inhalation. May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.

Skin contact Toxic in contact with skin. Causes skin irritation.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

Eye contact Causes serious eye damage.

Ingestion Toxic if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity Toxic if inhaled. Toxic in contact with skin. Toxic if swallowed. Narcotic effects.

Components	Species	Test Results
1-Propanol (CAS 71-23-8)		
Acute		
Oral		
LD50	Mouse	6800 mg/kg
	Rabbit	2.8 g/kg
	Rat	1.87 g/kg
2-butanone (CAS 78-93-3)		
Acute		
Dermal		
LD50	Rabbit	> 8000 mg/kg
Inhalation		
LC50	Mouse	11000 ppm, 45 Minutes
	Rat	11700 ppm, 4 Hours

Components	Species	Test Results
Oral		
LD50	Mouse	670 mg/kg
	Rat	2300 - 3500 mg/kg
2-Butoxyethanol (CAS 111-76-2)		
Acute		
Dermal		
LD50	Rabbit	400 mg/kg
Inhalation		
LC50	Mouse	700 ppm, 7 Hours
	Rat	450 ppm, 4 Hours
Oral		
LD50	Guinea pig	1.2 g/kg
	Mouse	1.2 g/kg
	Rabbit	0.32 g/kg
	Rat	560 mg/kg
2-Heptanone (CAS 110-43-0)		
Acute		
Dermal		
LD50	Rabbit	12600 mg/kg
Oral		
LD50	Mouse	730 mg/kg
	Rat	1.67 g/kg
acetone (CAS 67-64-1)		
Acute		
Dermal		
LD50	Rabbit	20000 mg/kg 20 ml/kg
Inhalation		
LC50	Rat	76 mg/l, 4 Hours 50.1 mg/l, 8 Hours
Oral		
LD50	Mouse	3000 mg/kg
	Rabbit	5340 mg/kg
	Rat	5800 mg/kg
Ethanol (CAS 64-17-5)		
Acute		
Inhalation		
LC50	Mouse	39 mg/l, 4 Hours
	Rat	20000 ppm, 10 Hours
Oral		
LD50	Guinea pig	5.6 g/kg
	Mouse	3450 mg/kg
	Rat	6.2 g/kg
ethyl acetate (CAS 141-78-6)		
Acute		
Inhalation		
LC50	Rat	16000 ppm, 6 Hours
LD50	Mouse	1500 ppm, 4 Hours

Components	Species	Test Results
	Rabbit	2500 ppm, 4 Hours
	Rat	4000 ppm, 4 Hours
Oral		
LD50	Mouse	0.44 g/kg
	Rabbit	4.9 g/kg
	Rat	11.3 ml/kg
		5.6 g/kg
Ethyl benzene (CAS 100-41-4)		
Acute		
Dermal		
LD50	Rabbit	17800 mg/kg
Oral		
LD50	Rat	3500 mg/kg
methanol (CAS 67-56-1)		
Acute		
Dermal		
LD50	Rabbit	15800 mg/kg
Inhalation		
LC50	Rat	64000 ppm, 4 Hours 87.5 mg/l, 6 Hours
Oral		
LD50	Monkey	2 g/kg
	Mouse	7300 mg/kg
	Rabbit	14.4 g/kg
	Rat	5628 mg/kg
n-PROPYL ACETATE (CAS 109-60-4)		
Acute		
Oral		
LD50	Mouse	8300 mg/kg
	Rabbit	6.64 g/kg
	Rat	9370 mg/kg
Toluene (CAS 108-88-3)		
Acute		
Dermal		
LD50	Rabbit	12124 mg/kg 14.1 ml/kg
Inhalation		
LC50	Mouse	5320 ppm, 8 Hours 400 ppm, 24 Hours
	Rat	26700 ppm, 1 Hours 12200 ppm, 2 Hours 8000 ppm, 4 Hours
Oral		
LD50	Rat	2.6 g/kg
Xylene (CAS 1330-20-7)		
Acute		
Dermal		
LD50	Rabbit	> 43 g/kg

Components	Species	Test Results
Inhalation		
LC50	Mouse	3907 mg/l, 6 Hours
	Rat	6350 mg/l, 4 Hours
Oral		
LD50	Mouse	1590 mg/kg
	Rat	3523 - 8600 mg/kg

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

Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Causes serious eye damage.	
Respiratory or skin sensitization		
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitization.	
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.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
2-Butoxyethanol (CAS 111-76-2)	3 Not classifiable as to carcinogenicity to humans.	
Ethyl benzene (CAS 100-41-4)	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.		
Reproductive toxicity	Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. Suspected of damaging fertility or the unborn child.	
Specific target organ toxicity - single exposure	Causes damage to organs. May cause drowsiness and dizziness.	
Specific target organ toxicity - repeated exposure	Causes damage to organs through prolonged or repeated exposure.	
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	Causes damage to organs through prolonged or repeated exposure. May be harmful if absorbed through skin. Prolonged inhalation may be harmful.	
	2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.	
	Prolonged exposure may cause chronic effects.	

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Components	Species	Test Results
1-Propanol (CAS 71-23-8)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna)
Fish	LC50	Bleak (Alburnus alburnus)
2-butanone (CAS 78-93-3)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna)
Fish	LC50	Sheepshead minnow (Cyprinodon variegatus)

Components	Species	Test Results
2-Butoxyethanol (CAS 111-76-2)		
Aquatic		
Fish	LC50	Inland silverside (<i>Menidia beryllina</i>) 1250 mg/l, 96 hours
2-Heptanone (CAS 110-43-0)		
Aquatic		
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) 126 - 137 mg/l, 96 hours
acetone (CAS 67-64-1)		
Aquatic		
Crustacea	EC50	Water flea (<i>Daphnia magna</i>) 10294 - 17704 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (<i>Oncorhynchus mykiss</i>) 4740 - 6330 mg/l, 96 hours
Ethanol (CAS 64-17-5)		
Aquatic		
Crustacea	EC50	Water flea (<i>Daphnia magna</i>) 7.7 - 11.2 mg/l, 48 hours
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) > 100 mg/l, 96 hours
ethyl acetate (CAS 141-78-6)		
Aquatic		
Fish	LC50	Indian catfish (<i>Heteropneustes fossilis</i>) 200.32 - 225.42 mg/l, 96 hours
Ethyl benzene (CAS 100-41-4)		
Aquatic		
Crustacea	EC50	Water flea (<i>Daphnia magna</i>) 1.37 - 4.4 mg/l, 48 hours
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) 7.5 - 11 mg/l, 96 hours
methanol (CAS 67-56-1)		
Aquatic		
Crustacea	EC50	Water flea (<i>Daphnia magna</i>) > 10000 mg/l, 48 hours
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) > 100 mg/l, 96 hours
n-PROPYL ACETATE (CAS 109-60-4)		
Aquatic		
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) 56 - 64 mg/l, 96 hours
Toluene (CAS 108-88-3)		
Aquatic		
Crustacea	EC50	Water flea (<i>Daphnia magna</i>) 5.46 - 9.83 mg/l, 48 hours
Fish	LC50	Coho salmon,silver salmon (<i>Oncorhynchus kisutch</i>) 8.11 mg/l, 96 hours
Xylene (CAS 1330-20-7)		
Aquatic		
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>) 7.711 - 9.591 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)

1-Propanol	0.25
2-butanone	0.29
2-Butoxyethanol	0.83
2-Heptanone	1.98
acetone	-0.24
Ethanol	-0.31
ethyl acetate	0.73
Ethyl benzene	3.15
methanol	-0.77
n-PROPYL ACETATE	1.23
Toluene	2.73

Partition coefficient n-octanol / water (log Kow)

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. 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.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

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.

14. Transport information**DOT****UN number**

UN1263

UN proper shipping name

UN1263, Paint Related Material

Transport hazard class(es)**Class**

3

Subsidiary risk

-

Label(s)

3

Packing group

II

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

Special provisions

IB2, T7, TP1, TP8, TP28

Packaging exceptions

150

Packaging non bulk

202

Packaging bulk

242

IATA**UN number**

UN1263

UN proper shipping name

Paint Related Material

Transport hazard class(es)**Class**

3

Subsidiary risk

-

Packing group

II

Environmental hazards

Yes

ERG Code

3H

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

Other information**Passenger and cargo aircraft**

Allowed with restrictions.

Cargo aircraft only

Allowed with restrictions.

IMDG**UN number**

UN1263

UN proper shipping name

Paint Related Material, MARINE POLLUTANT

Transport hazard class(es)**Class**

3

Subsidiary risk

-

Packing group

II

Environmental hazards**Marine pollutant**

Yes

EmS

F-E, S-E

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 established.

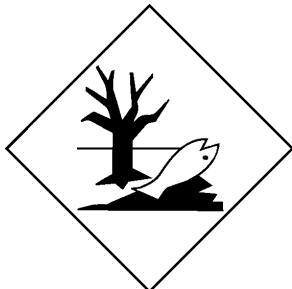
DOT



IATA; IMDG



Marine pollutant



General information

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)

1-Propanol (CAS 71-23-8)	Listed.
2-butanone (CAS 78-93-3)	Listed.
2-Butoxyethanol (CAS 111-76-2)	Listed.
acetone (CAS 67-64-1)	Listed.
Ethanol (CAS 64-17-5)	Listed.
ethyl acetate (CAS 141-78-6)	Listed.
Ethyl benzene (CAS 100-41-4)	Listed.
methanol (CAS 67-56-1)	Listed.
n-PROPYL ACETATE (CAS 109-60-4)	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.
methanol	67-56-1	30 to <40
Toluene	108-88-3	20 to <30
2-Butoxyethanol	111-76-2	1 to <5
Xylene	1330-20-7	1 to <5
Ethyl benzene	100-41-4	0.1 to <1

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

Ethyl benzene (CAS 100-41-4)
 methanol (CAS 67-56-1)
 Toluene (CAS 108-88-3)
 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) Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

2-butanone (CAS 78-93-3) 6714
 acetone (CAS 67-64-1) 6532
 Toluene (CAS 108-88-3) 6594

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

2-butanone (CAS 78-93-3) 35 %WV
 acetone (CAS 67-64-1) 35 %WV
 Toluene (CAS 108-88-3) 35 %WV

DEA Exempt Chemical Mixtures Code Number

2-butanone (CAS 78-93-3) 6714
 acetone (CAS 67-64-1) 6532
 Toluene (CAS 108-88-3) 594

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

1-Propanol (CAS 71-23-8) Low priority
 2-butanone (CAS 78-93-3) Low priority
 2-Heptanone (CAS 110-43-0) Other Flavoring Substances with OSHA PEL's
 acetone (CAS 67-64-1) Low priority
 Ethanol (CAS 64-17-5) Low priority
 ethyl acetate (CAS 141-78-6) Low priority
 n-PROPYL ACETATE (CAS 109-60-4) Low priority

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))

2-butanone (CAS 78-93-3)
 2-Butoxyethanol (CAS 111-76-2)
 acetone (CAS 67-64-1)
 Ethyl benzene (CAS 100-41-4)
 methanol (CAS 67-56-1)
 Toluene (CAS 108-88-3)
 Xylene (CAS 1330-20-7)

US. Massachusetts RTK - Substance List

1-Propanol (CAS 71-23-8)
2-butanone (CAS 78-93-3)
2-Butoxyethanol (CAS 111-76-2)
2-Heptanone (CAS 110-43-0)
acetone (CAS 67-64-1)
Ethanol (CAS 64-17-5)
ethyl acetate (CAS 141-78-6)
Ethyl benzene (CAS 100-41-4)
methanol (CAS 67-56-1)
n-PROPYL ACETATE (CAS 109-60-4)
Toluene (CAS 108-88-3)
Xylene (CAS 1330-20-7)

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

1-Propanol (CAS 71-23-8)
2-butanone (CAS 78-93-3)
2-Butoxyethanol (CAS 111-76-2)
2-Heptanone (CAS 110-43-0)
acetone (CAS 67-64-1)
Ethanol (CAS 64-17-5)
ethyl acetate (CAS 141-78-6)
Ethyl benzene (CAS 100-41-4)
methanol (CAS 67-56-1)
n-PROPYL ACETATE (CAS 109-60-4)
Toluene (CAS 108-88-3)
Xylene (CAS 1330-20-7)

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

1-Propanol (CAS 71-23-8)
2-butanone (CAS 78-93-3)
2-Butoxyethanol (CAS 111-76-2)
2-Heptanone (CAS 110-43-0)
acetone (CAS 67-64-1)
Ethanol (CAS 64-17-5)
ethyl acetate (CAS 141-78-6)
Ethyl benzene (CAS 100-41-4)
methanol (CAS 67-56-1)
n-PROPYL ACETATE (CAS 109-60-4)
Toluene (CAS 108-88-3)
Xylene (CAS 1330-20-7)

US. Rhode Island RTK

2-butanone (CAS 78-93-3)
2-Butoxyethanol (CAS 111-76-2)
acetone (CAS 67-64-1)
ethyl acetate (CAS 141-78-6)
Ethyl benzene (CAS 100-41-4)
methanol (CAS 67-56-1)
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

4-Methyl-2-pentanone (CAS 108-10-1)	Listed: November 4, 2011
Ethanol (CAS 64-17-5)	Listed: April 29, 2011
	Listed: July 1, 1988
Ethyl benzene (CAS 100-41-4)	Listed: June 11, 2004

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

4-Methyl-2-pentanone (CAS 108-10-1)	Listed: March 28, 2014
Ethanol (CAS 64-17-5)	Listed: October 1, 1987
methanol (CAS 67-56-1)	Listed: March 16, 2012
Toluene (CAS 108-88-3)	Listed: January 1, 1991

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

Toluene (CAS 108-88-3)	Listed: August 7, 2009
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International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
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 09-07-2016

Version # 01

HMIS® ratings Health: 4*
Flammability: 3
Physical hazard: 0

NFPA ratings Health: 4
Flammability: 3
Instability: 0

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Revision information Product and Company Identification: Product and Company Identification
Composition/information on ingredients: Composition comments
Composition/information on ingredients: Component information
Fire-fighting measures: Suitable extinguishing media
Exposure controls/personal protection: General hygiene considerations
Physical & Chemical Properties: Multiple Properties
Physical and chemical properties: Oxidizing properties
Physical and chemical properties: Explosive properties
Ecological information: Persistence / degradability
Regulatory information: US federal regulations
Other information, including date of preparation or last revision: Further information