SAFETY DATA SHEET

1. Identification

Product identifier **MAXX-KOTE BC LIFT TRUCK WHITE**

Other means of identification

Product Code 8157, 9822, 8337

Recommended use Not available.

Manufacturer/Importer/Supplier/Distributor information

Company name TIFCO Industries

Address 21400 Northwest Freeway
Cypress, TX 77429

Telephone 281-571-6000

Emergency phone number Chem-Tel: 800-255-3924

2. Hazard(s) identification

Physical hazards	Flammable aerosols	Category 2
Health hazards	Germ cell mutagenicity	Category 1B
	Carcinogenicity	Category 1B
	Reproductive toxicity (the unborn child)	Category 2
	Specific target organ toxicity, repeated exposure	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 3
	Hazardous to the aquatic environment, long-term hazard	Category 3

OSHA defined hazards Not classified.

Label elements

Signal word Danger

Hazard statement Flammable aerosol. May cause genetic defects. May cause cancer. Suspected of damaging the unborn child. Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful 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. 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. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response If exposed or concerned: Get medical advice/attention.

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.

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

Supplemental information 48.38% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 48.38% 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	%
ACETONE		67-64-1	26.09
PROPANE		74-98-6	16.26
BARIUM SULFATE		7727-43-7	9.8
TITANIUM DIOXIDE		13463-67-7	9.74
PROPYLENE GLYCOL METHYL ETHER ACETATE		108-65-6	7.72
N-BUTANE		106-97-8	7.65
XYLENE		1330-20-7	2.34
2-PENTANONE		107-87-9	2
KAOLIN		1332-58-7	0.52
Light Aromatic Solvent Naphtha		64742-95-6	0.51
ETHYLBENZENE		100-41-4	0.43
ALUMINUM HYROXIDE		21645-51-2	0.31
TOLUENE		108-88-3	0.27
1,2,4 TRIMETHYLBENZENE		95-63-6	0.23
AMORPHOUS PRECIPITATED SILICA		112926-00-8	0.18
ZIRCONIUM OCTOATE		22464-99-9	0.15
CALCIUM CARBONATE		471-34-1	0.1
METHYL ETHYL KETOXIME		96-29-7	0.08
MINERAL SPIRITS		8052-41-3	0.06
COBALT OCTOATE		136-52-7	0.03
PROPYLENE GLYCOL		57-55-6	0.03
ISOBUTYL ALCOHOL		78-83-1	0.02
PARAFFIN WAX FUME		8002-74-2	0.01
SILICA, CRYSTALLINE QUARTZ		14808-60-7	0.01
CARBON BLACK		1333-86-4	0
ETHYL ALCOHOL		64-17-5	0
N-BUTYL ALCOHOL		71-36-3	0
SILICA, CRYSTALLINE-CRISTOBALITE		14464-46-1	0
Other components below reportable levels			15.45

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

4. First-aid measures

Inhalation If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion In the unlikely event of swallowing contact a physician or poison control center.

Most important symptoms/effects, acute and delayed Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flame.
Special protective equipment and precautions for firefighters	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	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	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. Keep out of low areas. Wear appropriate personal protective equipment. 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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. 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. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. 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 during pregnancy/while nursing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.
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
2-PENTANONE (CAS 107-87-9)	PEL	700 mg/m3	
		200 ppm	
ACETONE (CAS 67-64-1)	PEL	2400 mg/m3	
		1000 ppm	
BARIUM SULFATE (CAS 7727-43-7)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
CALCIUM CARBONATE (CAS 471-34-1)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
CARBON BLACK (CAS 1333-86-4)	PEL	3.5 mg/m3	
ETHYL ALCOHOL (CAS 64-17-5)	PEL	1900 mg/m3	
		1000 ppm	
ETHYLBENZENE (CAS 100-41-4)	PEL	435 mg/m3	
		100 ppm	
ISOBUTYL ALCOHOL (CAS 78-83-1)	PEL	300 mg/m3	
		100 ppm	
KAOLIN (CAS 1332-58-7)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
MINERAL SPIRITS (CAS 8052-41-3)	PEL	2900 mg/m3	
		500 ppm	
N-BUTYL ALCOHOL (CAS 71-36-3)	PEL	300 mg/m3	
		100 ppm	
PROPANE (CAS 74-98-6)	PEL	1800 mg/m3	
		1000 ppm	
TITANIUM DIOXIDE (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.
XYLENE (CAS 1330-20-7)	PEL	435 mg/m3	
		100 ppm	
ZIRCONIUM OCTOATE (CAS 22464-99-9)	PEL	5 mg/m3	

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

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

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8)	TWA	0.8 mg/m3	
		20 millions of particle	
SILICA, CRYSTALLINE QUARTZ (CAS 14808-60-7)	TWA	0.3 mg/m3	Total dust.
		0.1 mg/m3	Respirable.
		2.4 millions of particle	Respirable.
SILICA, CRYSTALLINE-CRISTOBALITE (CAS 14464-46-1)	TWA	0.15 mg/m3	Total dust.
		0.05 mg/m3	Respirable.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
		1.2 millions of particle	Respirable.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
1,2,4 TRIMETHYLBENZENE (CAS 95-63-6)	TWA	25 ppm	
2-PENTANONE (CAS 107-87-9)	STEL	150 ppm	
ACETONE (CAS 67-64-1)	STEL	750 ppm	
	TWA	500 ppm	
ALUMINUM HYROXIDE (CAS 21645-51-2)	TWA	1 mg/m3	Respirable fraction.
BARIUM SULFATE (CAS 7727-43-7)	TWA	10 mg/m3	
CARBON BLACK (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
COBALT OCTOATE (CAS 136-52-7)	TWA	0.02 mg/m3	
ETHYL ALCOHOL (CAS 64-17-5)	STEL	1000 ppm	
ETHYLBENZENE (CAS 100-41-4)	TWA	20 ppm	
ISOBUTYL ALCOHOL (CAS 78-83-1)	TWA	50 ppm	
KAOLIN (CAS 1332-58-7)	TWA	2 mg/m3	Respirable fraction.
MINERAL SPIRITS (CAS 8052-41-3)	TWA	100 ppm	
N-BUTANE (CAS 106-97-8)	STEL	1000 ppm	
N-BUTYL ALCOHOL (CAS 71-36-3)	TWA	20 ppm	
PARAFFIN WAX FUME (CAS 8002-74-2)	TWA	2 mg/m3	Fume.
SILICA, CRYSTALLINE QUARTZ (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
SILICA, CRYSTALLINE-CRISTOBALITE (CAS 14464-46-1)	TWA	0.025 mg/m3	Respirable fraction.
TITANIUM DIOXIDE (CAS 13463-67-7)	TWA	10 mg/m3	
TOLUENE (CAS 108-88-3)	TWA	20 ppm	
XYLENE (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	
ZIRCONIUM OCTOATE (CAS 22464-99-9)	STEL	10 mg/m3	
	TWA	5 mg/m3	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
1,2,4 TRIMETHYLBENZENE (CAS 95-63-6)	TWA	125 mg/m3	
		25 ppm	
2-PENTANONE (CAS 107-87-9)	TWA	530 mg/m3	
		150 ppm	
ACETONE (CAS 67-64-1)	TWA	590 mg/m3	
		250 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8)	TWA	6 mg/m3	
BARIUM SULFATE (CAS 7727-43-7)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
CALCIUM CARBONATE (CAS 471-34-1)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
CARBON BLACK (CAS 1333-86-4)	TWA	0.1 mg/m3	
ETHYL ALCOHOL (CAS 64-17-5)	TWA	1900 mg/m3	
		1000 ppm	
ETHYLBENZENE (CAS 100-41-4)	STEL	545 mg/m3	
		125 ppm	
	TWA	435 mg/m3	
		100 ppm	
ISOBUTYL ALCOHOL (CAS 78-83-1)	TWA	150 mg/m3	
		50 ppm	
KAOLIN (CAS 1332-58-7)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
MINERAL SPIRITS (CAS 8052-41-3)	Ceiling	1800 mg/m3	
	TWA	350 mg/m3	
N-BUTANE (CAS 106-97-8)	TWA	1900 mg/m3	
		800 ppm	
N-BUTYL ALCOHOL (CAS 71-36-3)	Ceiling	150 mg/m3	
		50 ppm	
PARAFFIN WAX FUME (CAS 8002-74-2)	TWA	2 mg/m3	Fume.
PROPANE (CAS 74-98-6)	TWA	1800 mg/m3	
		1000 ppm	
SILICA, CRYSTALLINE QUARTZ (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable dust.
TOLUENE (CAS 108-88-3)	STEL	560 mg/m3	
		150 ppm	
	TWA	375 mg/m3	
		100 ppm	
ZIRCONIUM OCTOATE (CAS 22464-99-9)	STEL	10 mg/m3	
	TWA	5 mg/m3	

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value	Form
METHYL ETHYL KETOXIME (CAS 96-29-7)	TWA	36 mg/m3	
		10 ppm	
PROPYLENE GLYCOL (CAS 57-55-6)	TWA	10 mg/m3	Aerosol.
PROPYLENE GLYCOL METHYL ETHER ACETATE (CAS 108-65-6)	TWA	50 ppm	

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
ACETONE (CAS 67-64-1)	50 mg/l	Acetone	Urine	*

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
COBALT OCTOATE (CAS 136-52-7)	15 µg/l	Cobalt	Urine	*
	1 µg/l	Cobalt	Blood	*
ETHYLBENZENE (CAS 100-41-4)	0.7 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in 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-BUTYL ALCOHOL (CAS 71-36-3)	Can be absorbed through the skin.
PROPYLENE GLYCOL METHYL ETHER ACETATE (CAS 108-65-6)	Can be absorbed through the skin.
TOLUENE (CAS 108-88-3)	Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

N-BUTYL ALCOHOL (CAS 71-36-3)	Skin designation applies.
TOLUENE (CAS 108-88-3)	Skin designation applies.

US - Tennesse OELs: Skin designation

N-BUTYL ALCOHOL (CAS 71-36-3)	Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

N-BUTYL ALCOHOL (CAS 71-36-3)	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.

Individual protection measures, such as personal protective equipment

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

Skin protection

Hand protection Chemical resistant gloves.

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

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

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations When using, do not eat, drink or 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 Not available.

Melting point/freezing point -305.68 °F (-187.6 °C) estimated

Initial boiling point and boiling range	-43.78 °F (-42.1 °C) estimated
Flash point	-4.0 °F (-20.0 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	1.9 % estimated
Flammability limit - upper (%)	8.5 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	1959.14 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	550 °F (287.78 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	7.43 lbs/gal
Flammability class	Flammable IA estimated
Heat of combustion (NFPA 30B)	21.24 kJ/g estimated
Percent volatile	62.29
Specific gravity	0.89
VOC	475.89 g/l Regulatory estimated 2.8 lbs/gal Material estimated 3.97 lbs/gal Regulatory estimated 335.74 g/l Material 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.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong acids. Acids. Strong oxidizing agents. Nitrates. Aluminum. Halogens. Phosphorus. Fluorine. Chlorine.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Expected to be a low ingestion hazard.
Inhalation	Prolonged inhalation may be harmful. May cause damage to organs by inhalation.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity

Components	Species	Test Results
1,2,4 TRIMETHYLBENZENE (CAS 95-63-6)		
Acute		
Dermal		
LD50	Rabbit	> 3160 mg/kg
Inhalation		
LC50	Rat	> 2000 mg/l, 48 Hours
Oral		
LD50	Rat	6 g/kg
2-PENTANONE (CAS 107-87-9)		
Acute		
Oral		
LD50	Rat	3.73 g/kg
Other		
LD	Rat	800 mg/kg
LD50	Mouse	1600 mg/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
Other		
LD50	Mouse	1297 mg/kg
	Rat	5500 mg/kg
ALUMINUM HYROXIDE (CAS 21645-51-2)		
Acute		
Oral		
LD50	Rat	> 5000 mg/kg
Other		
LD50	Rat	1100 mg/kg
AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8)		
Acute		
Oral		
LD50	Mouse	> 15000 mg/kg
	Rat	> 22500 mg/kg
CALCIUM CARBONATE (CAS 471-34-1)		
Acute		
Oral		
LD50	Mouse	6450 mg/kg
	Rat	6450 mg/kg

Components	Species	Test Results
CARBON BLACK (CAS 1333-86-4)		
Acute		
Oral		
LD50	Rat	> 8000 mg/kg
ETHYL ALCOHOL (CAS 64-17-5)		
Acute		
Inhalation		
LC50	Mouse	39 mg/l, 4 Hours
	Rat	20000 mg/l, 10 Hours
Oral		
LD50	Dog	5.5 g/kg
	Guinea pig	5.6 g/kg
	Mouse	3450 mg/kg
	Rat	6.2 g/kg
Other		
LD50	Mouse	933 mg/kg
	Rat	1440 mg/kg
ETHYLBENZENE (CAS 100-41-4)		
Acute		
Dermal		
LD50	Rabbit	17800 mg/kg
Oral		
LD50	Rat	3500 mg/kg
Other		
LD50	Mouse	2272 mg/kg
ISOBUTYL ALCOHOL (CAS 78-83-1)		
Acute		
Dermal		
LD50	Rabbit	3392 mg/kg
Inhalation		
LC50	Rat	8000 mg/l, 4 Hours
LD50	Guinea pig	19.9 mg/l
	Rabbit	26.25 mg/l
	Rat	19.2 mg/l
Oral		
LD50	Mouse	3500 mg/kg
	Rat	2.46 g/kg
Other		
LD50	Mouse	417 mg/kg
	Rabbit	323 mg/kg
	Rat	340 mg/kg
KAOLIN (CAS 1332-58-7)		
Acute		
Dermal		
LD50	Rat	> 5000 mg/kg
Oral		
LD50	Rat	> 5000 mg/kg

Components	Species	Test Results
N-BUTANE (CAS 106-97-8)		
Acute		
Inhalation		
LC50	Mouse	680 mg/l, 2 Hours
	Rat	658 mg/l, 4 Hours
N-BUTYL ALCOHOL (CAS 71-36-3)		
Acute		
Dermal		
LD50	Rabbit	3400 mg/kg
Inhalation		
LC50	Rat	8000 mg/l, 4 Hours
Oral		
LD50	Rat	790 mg/kg
Other		
LD50	Mouse	377 mg/kg
	Rat	310 mg/kg
PROPANE (CAS 74-98-6)		
Acute		
Inhalation		
LC50	Rat	> 1442.847 mg/l, 15 Minutes
PROPYLENE GLYCOL (CAS 57-55-6)		
Acute		
Oral		
LD50	Dog	19 g/kg
	Guinea pig	18.4 g/kg
	Mouse	23.9 g/kg
	Rabbit	18 g/kg
	Rat	30 g/kg
Other		
LD50	Mouse	6630 mg/kg
	Rat	6423 mg/kg
TOLUENE (CAS 108-88-3)		
Acute		
Dermal		
LD50	Rabbit	12124 mg/kg
		14.1 ml/kg
Inhalation		
LC50	Mouse	5320 mg/l, 8 Hours
		400 mg/l, 24 Hours
	Rat	26700 mg/l, 1 Hours
		12200 mg/l, 2 Hours
		8000 mg/l, 4 Hours
Oral		
LD50	Rat	2.6 g/kg
Other		
LD50	Mouse	59 mg/kg
	Rat	1332 mg/kg

Components	Species	Test Results
XYLENE (CAS 1330-20-7)		
Acute		
Dermal		
LD50	Rabbit	> 43 g/kg
Inhalation		
LC50	Mouse	3907 mg/l, 6 Hours
	Rat	6350 mg/l, 4 Hours
LCL0	Rat	8000 mg/l, 4 Hours
Oral		
LD50	Mouse	1590 mg/kg
	Rat	3523 - 8600 mg/kg
Other		
LD50	Rat	3.8 mg/kg

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

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

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity May cause genetic defects.

Carcinogenicity May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8)	3 Not classifiable as to carcinogenicity to humans.
CARBON BLACK (CAS 1333-86-4)	2B Possibly carcinogenic to humans.
ETHYL ALCOHOL (CAS 64-17-5)	1 Carcinogenic to humans.
ETHYLBENZENE (CAS 100-41-4)	2B Possibly carcinogenic to humans.
MINERAL SPIRITS (CAS 8052-41-3)	3 Not classifiable as to carcinogenicity to humans.
SILICA, CRYSTALLINE QUARTZ (CAS 14808-60-7)	1 Carcinogenic to humans.
SILICA, CRYSTALLINE-CRISTOBALITE (CAS 14464-46-1)	1 Carcinogenic to humans.
TITANIUM DIOXIDE (CAS 13463-67-7)	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 listed.

US. National Toxicology Program (NTP) Report on Carcinogens

ETHYL ALCOHOL (CAS 64-17-5)	Known To Be Human Carcinogen.
SILICA, CRYSTALLINE QUARTZ (CAS 14808-60-7)	Known To Be Human Carcinogen.
SILICA, CRYSTALLINE-CRISTOBALITE (CAS 14464-46-1)	Known To Be Human Carcinogen.

Reproductive toxicity Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard Not available.

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

12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

Components		Species	Test Results
1,2,4 TRIMETHYLBENZENE (CAS 95-63-6)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	7.19 - 8.28 mg/l, 96 hours
2-PENTANONE (CAS 107-87-9)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	1190 - 1290 mg/l, 96 hours
ACETONE (CAS 67-64-1)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	21.6 - 23.9 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours
BARIUM SULFATE (CAS 7727-43-7)			
Aquatic			
Crustacea	EC50	Tubificid worm (Tubifex tubifex)	28.61 - 38.03 mg/l, 48 hours
CALCIUM CARBONATE (CAS 471-34-1)			
Aquatic			
Fish	LC50	Western mosquitofish (Gambusia affinis)	> 56000 mg/l, 96 hours
ETHYL ALCOHOL (CAS 64-17-5)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	7.7 - 11.2 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	> 100 mg/l, 96 hours
ETHYLBENZENE (CAS 100-41-4)			
Aquatic			
Crustacea	EC50	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
ISOBUTYL ALCOHOL (CAS 78-83-1)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	950 - 1200 mg/l, 48 hours
Fish	LC50	Bleak (Alburnus alburnus)	1000 - 3000 mg/l, 96 hours
METHYL ETHYL KETOXIME (CAS 96-29-7)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	777 - 914 mg/l, 96 hours
N-BUTYL ALCOHOL (CAS 71-36-3)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1897 - 2072 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	100 - 500 mg/l, 96 hours
PROPYLENE GLYCOL (CAS 57-55-6)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 10000 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	710 mg/l, 96 hours
TITANIUM DIOXIDE (CAS 13463-67-7)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hours
Fish	LC50	Mummichog (Fundulus heteroclitus)	> 1000 mg/l, 96 hours

Components		Species	Test Results
TOLUENE (CAS 108-88-3)			
Aquatic			
Crustacea	EC50	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
XYLENE (CAS 1330-20-7)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	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 No data available.

Partition coefficient n-octanol / water (log Kow)

2-PENTANONE	0.91
ACETONE	-0.24
ETHYL ALCOHOL	-0.31
ETHYLBENZENE	3.15
ISOBUTYL ALCOHOL	0.76
MINERAL SPIRITS	3.16 - 7.15
N-BUTANE	2.89
N-BUTYL ALCOHOL	0.88
PROPANE	2.36
PROPYLENE GLYCOL	-0.92
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. This material and its container must be disposed of as hazardous waste. 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.

US RCRA Hazardous Waste U List: Reference

ACETONE (CAS 67-64-1)	U002
ISOBUTYL ALCOHOL (CAS 78-83-1)	U140
N-BUTYL ALCOHOL (CAS 71-36-3)	U031
TOLUENE (CAS 108-88-3)	U220
XYLENE (CAS 1330-20-7)	U239

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

14. Transport information

DOT

UN number UN1950

UN proper shipping name Aerosols, flammable, 2.1

Transport hazard class(es)

Class 2.1

Subsidiary risk -

Label(s) 2.1

Packing group	Not applicable.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None

IATA

UN number	UN1950
UN proper shipping name	Aerosols, flammable, 2.1
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	Not applicable.
Environmental hazards	No.
ERG Code	10L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.

IMDG

UN number	UN1950
UN proper shipping name	Aerosols, flammable, 2.1
Transport hazard class(es)	
Class	2
Subsidiary risk	-
Packing group	Not applicable.
Environmental hazards	
Marine pollutant	No.
EmS	F-D, S-U
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 This substance/mixture is not intended to be transported in bulk.

DOT

IATA; IMDG

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
One or more components are not listed on TSCA.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

2-PENTANONE (CAS 107-87-9)	Listed.
ACETONE (CAS 67-64-1)	Listed.
BARIUM SULFATE (CAS 7727-43-7)	Listed.
COBALT OCTOATE (CAS 136-52-7)	Listed.
ETHYL ALCOHOL (CAS 64-17-5)	Listed.
ETHYLBENZENE (CAS 100-41-4)	Listed.
ISOBUTYL ALCOHOL (CAS 78-83-1)	Listed.
N-BUTANE (CAS 106-97-8)	Listed.
N-BUTYL ALCOHOL (CAS 71-36-3)	Listed.
PROPANE (CAS 74-98-6)	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 listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No
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	2.34
ETHYLBENZENE	100-41-4	0.43

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

COBALT OCTOATE (CAS 136-52-7)
ETHYLBENZENE (CAS 100-41-4)
TOLUENE (CAS 108-88-3)
XYLENE (CAS 1330-20-7)

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

N-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

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))

ACETONE (CAS 67-64-1)	35 % weight/volumn
TOLUENE (CAS 108-88-3)	35 % weight/volumn

DEA Exempt Chemical Mixtures Code Number

ACETONE (CAS 67-64-1)	6532
TOLUENE (CAS 108-88-3)	594

US state regulations

US. Massachusetts RTK - Substance List

1,2,4 TRIMETHYLBENZENE (CAS 95-63-6)
2-PENTANONE (CAS 107-87-9)
ACETONE (CAS 67-64-1)
AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8)
BARIUM SULFATE (CAS 7727-43-7)
CALCIUM CARBONATE (CAS 471-34-1)
CARBON BLACK (CAS 1333-86-4)
ETHYL ALCOHOL (CAS 64-17-5)
ETHYLBENZENE (CAS 100-41-4)
ISOBUTYL ALCOHOL (CAS 78-83-1)
KAOLIN (CAS 1332-58-7)
MINERAL SPIRITS (CAS 8052-41-3)
N-BUTANE (CAS 106-97-8)
N-BUTYL ALCOHOL (CAS 71-36-3)
PARAFFIN WAX FUME (CAS 8002-74-2)
PROPANE (CAS 74-98-6)
SILICA, CRYSTALLINE QUARTZ (CAS 14808-60-7)
SILICA, CRYSTALLINE-CRISTOBALITE (CAS 14464-46-1)
TITANIUM DIOXIDE (CAS 13463-67-7)
TOLUENE (CAS 108-88-3)
XYLENE (CAS 1330-20-7)

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

1,2,4 TRIMETHYLBENZENE (CAS 95-63-6)
2-PENTANONE (CAS 107-87-9)
ACETONE (CAS 67-64-1)
AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8)
BARIUM SULFATE (CAS 7727-43-7)
CALCIUM CARBONATE (CAS 471-34-1)
CARBON BLACK (CAS 1333-86-4)
COBALT OCTOATE (CAS 136-52-7)
ETHYL ALCOHOL (CAS 64-17-5)
ETHYLBENZENE (CAS 100-41-4)
ISOBUTYL ALCOHOL (CAS 78-83-1)
KAOLIN (CAS 1332-58-7)
N-BUTANE (CAS 106-97-8)
N-BUTYL ALCOHOL (CAS 71-36-3)
PARAFFIN WAX FUME (CAS 8002-74-2)
PROPANE (CAS 74-98-6)
PROPYLENE GLYCOL (CAS 57-55-6)
SILICA, CRYSTALLINE QUARTZ (CAS 14808-60-7)
SILICA, CRYSTALLINE-CRISTOBALITE (CAS 14464-46-1)
TITANIUM DIOXIDE (CAS 13463-67-7)
TOLUENE (CAS 108-88-3)
XYLENE (CAS 1330-20-7)

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

1,2,4 TRIMETHYLBENZENE (CAS 95-63-6)
2-PENTANONE (CAS 107-87-9)
ACETONE (CAS 67-64-1)
BARIUM SULFATE (CAS 7727-43-7)
CALCIUM CARBONATE (CAS 471-34-1)
CARBON BLACK (CAS 1333-86-4)
ETHYL ALCOHOL (CAS 64-17-5)
ETHYLBENZENE (CAS 100-41-4)
ISOBUTYL ALCOHOL (CAS 78-83-1)
KAOLIN (CAS 1332-58-7)
MINERAL SPIRITS (CAS 8052-41-3)
N-BUTANE (CAS 106-97-8)
N-BUTYL ALCOHOL (CAS 71-36-3)
PARAFFIN WAX FUME (CAS 8002-74-2)
PROPANE (CAS 74-98-6)
PROPYLENE GLYCOL (CAS 57-55-6)
SILICA, CRYSTALLINE QUARTZ (CAS 14808-60-7)

SILICA, CRYSTALLINE-CRISTOBALITE (CAS 14464-46-1)
TITANIUM DIOXIDE (CAS 13463-67-7)
TOLUENE (CAS 108-88-3)
XYLENE (CAS 1330-20-7)

US. Rhode Island RTK

1,2,4 TRIMETHYLBENZENE (CAS 95-63-6)
ACETONE (CAS 67-64-1)
COBALT OCTOATE (CAS 136-52-7)
ETHYLBENZENE (CAS 100-41-4)
ISOBUTYL ALCOHOL (CAS 78-83-1)
N-BUTANE (CAS 106-97-8)
N-BUTYL ALCOHOL (CAS 71-36-3)
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

CARBON BLACK (CAS 1333-86-4)	Listed: February 21, 2003
ETHYL ALCOHOL (CAS 64-17-5)	Listed: April 29, 2011
	Listed: July 1, 1988
ETHYLBENZENE (CAS 100-41-4)	Listed: June 11, 2004
SILICA, CRYSTALLINE QUARTZ (CAS 14808-60-7)	Listed: October 1, 1988
SILICA, CRYSTALLINE-CRISTOBALITE (CAS 14464-46-1)	Listed: October 1, 1988
TITANIUM DIOXIDE (CAS 13463-67-7)	Listed: September 2, 2011

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

ETHYL ALCOHOL (CAS 64-17-5)	Listed: October 1, 1987
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

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)	No
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
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*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 04-03-2014

Version # 01

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