SAFETY DATA SHEET

1. Identification

Product identifier **VSC™ 1100 PRIMER**

Other means of identification

Product code LPS5031-PR10

Recommended use Industrial applications.

Recommended restrictions Professional use only

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

SDS Manufactured Exclusively for Valentus

Company name Valentus Specialty Products, Inc

Address 1999 Elizabeth Street
North Brunswick, NJ 08902
United States

Emergency phone number CHEMTREC (800) 424-9300

2. Hazard(s) identification

Physical hazards	Flammable liquids	Category 3
Health hazards	Acute toxicity, oral	Category 4
	Acute toxicity, dermal	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Sensitization, skin	Category 1
	Germ cell mutagenicity	Category 1B
	Carcinogenicity	Category 1A
	Reproductive toxicity	Category 1
	Specific target organ toxicity, repeated exposure	Category 2
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	

Label elements

Signal word Danger

Hazard statement Flammable liquid and vapor. Harmful if swallowed. Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause genetic defects. May cause cancer. May damage fertility or the unborn child. May cause 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. 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. Contaminated work clothing must not be allowed out of the workplace. Wear eye protection/face protection. Wear protective gloves/protective clothing/eye protection/face protection.

Response	If swallowed: Call a poison center/doctor if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.
Storage	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)	None known.
Supplemental information	90.81% of the mixture consists of component(s) of unknown acute oral toxicity. 93.71% of the mixture consists of component(s) of unknown acute dermal toxicity.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
4,4'-ISOPROPYLIDENEDIPHENOL /EPICHLOROHYDRIN COPOLYMER		25068-38-6	20 - < 30
BARIUM SULFATE		7727-43-7	10 - < 20
CALCIUM CARBONATE, LIMESTONE		1317-65-3	10 - < 20
MAGNESIUM SILICATE		14807-96-6	5 - < 10
ALUMINUM		7429-90-5	3 - < 5
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE		111-15-9	3 - < 5
N-PENTYL PROPIONATE		624-54-4	3 - < 5
(3-(2,3-EPOXYPROPOXY)PROPYL) TRIMETHOXYSILANE		2530-83-8	1 - < 3
METHYL n-AMYL KETONE(MAK)		110-43-0	1 - < 3
NAPHTHA(PETROLEUM),HYDROT REATED HEAVY		64742-48-9	1 - < 3
n-BUTYL ACETATE		123-86-4	1 - < 3
ZINC OXIDE		1314-13-2	1 - < 3
DIMETHYL GLUTARATE		1119-40-0	< 1
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC		64742-95-6	< 1
CRYSTALLINE SILICA QUARTZ		14808-60-7	< 0.3
DIMETHYL ADIPATE		627-93-0	< 0.2
DIMETHYL SUCCINATE		106-65-0	< 0.2
PHENOL, NONYL-, BRANCHED		84852-15-3	< 0.2

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/attention if you feel unwell. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
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 if irritation develops and persists.
Ingestion	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. 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 all contaminated clothing immediately. 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. Foam. Dry chemical powder. Carbon dioxide (CO_2).
Unsuitable extinguishing media	Water. 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. 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	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. 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). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. 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. Prevent entry into waterways, sewer, basements or confined areas. 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 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. 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. 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. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. 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. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. 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	Form
ALUMINUM (CAS 7429-90-5)	PEL	5 mg/m3	Respirable dust.
		15 mg/m3	Total dust.
BARIUM SULFATE (CAS 7727-43-7)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
CALCIUM CARBONATE, LIMESTONE (CAS 1317-65-3)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)	PEL	540 mg/m3	
		100 ppm	
METHYL n-AMYL KETONE(MAK) (CAS 110-43-0)	PEL	465 mg/m3	
		100 ppm	
NAPHTHA(PETROLEUM), HYDROTREATED HEAVY (CAS 64742-48-9)	PEL	400 mg/m3	
		100 ppm	
n-BUTYL ACETATE (CAS 123-86-4)	PEL	710 mg/m3	
		150 ppm	
ZINC OXIDE (CAS 1314-13-2)	PEL	5 mg/m3	Respirable fraction.
		5 mg/m3	Fume.
		15 mg/m3	Total dust.

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

Components	Type	Value	Form
CRYSTALLINE SILICA QUARTZ (CAS 14808-60-7)	TWA	0.3 mg/m3	Total dust.
		0.1 mg/m3	Respirable.
		2.4 mppcf	Respirable.
MAGNESIUM SILICATE (CAS 14807-96-6)	TWA	0.3 mg/m3	Total dust.
		0.1 mg/m3	Respirable.
		20 mppcf	
		2.4 mppcf	Respirable.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
ALUMINUM (CAS 7429-90-5)	TWA	1 mg/m3	Respirable fraction.
BARIUM SULFATE (CAS 7727-43-7)	TWA	5 mg/m3	Inhalable fraction.
CRYSTALLINE SILICA QUARTZ (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)	TWA	5 ppm	
MAGNESIUM SILICATE (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
METHYL n-AMYL KETONE(MAK) (CAS 110-43-0)	TWA	50 ppm	
n-BUTYL ACETATE (CAS 123-86-4)	STEL	200 ppm	

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
	TWA	150 ppm	
ZINC OXIDE (CAS 1314-13-2)	STEL	10 mg/m3	Respirable fraction.
	TWA	2 mg/m3	Respirable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
ALUMINUM (CAS 7429-90-5)	TWA	5 mg/m3	Respirable.
		5 mg/m3	Welding fume or pyrophoric powder.
		10 mg/m3	Total
BARIUM SULFATE (CAS 7727-43-7)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
CALCIUM CARBONATE, LIMESTONE (CAS 1317-65-3)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
CRYSTALLINE SILICA QUARTZ (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable dust.
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)	TWA	2.7 mg/m3	
		0.5 ppm	
MAGNESIUM SILICATE (CAS 14807-96-6)	TWA	2 mg/m3	Respirable.
METHYL n-AMYL KETONE(MAK) (CAS 110-43-0)	TWA	465 mg/m3	
		100 ppm	
NAPHTHA(PETROLEUM), HYDROTREATED HEAVY (CAS 64742-48-9)	TWA	400 mg/m3	
		100 ppm	
n-BUTYL ACETATE (CAS 123-86-4)	STEL	950 mg/m3	
		200 ppm	
	TWA	710 mg/m3	
		150 ppm	
ZINC OXIDE (CAS 1314-13-2)	Ceiling	15 mg/m3	Dust.
	STEL	10 mg/m3	Fume.
	TWA	5 mg/m3	Dust.
		5 mg/m3	Fume.

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)	100 mg/g	2-Ethoxyacetic acid	Creatinine in urine	*

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

Exposure guidelines

US - California OELs: Skin designation

ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)	Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)	Skin designation applies.

US - Tennessee OELs: Skin designation

ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9) Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9) Can be absorbed through the skin.

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

ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9) 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 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 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. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color Gray.

Odor Mild.

Odor threshold Not available.

pH Not available.

Melting point/freezing point 2804 °F (1540 °C) estimated

Initial boiling point and boiling range 347 °F (175 °C) estimated

Flash point 113.0 °F (45.0 °C) estimated

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) 0.6 % estimated

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 0.02 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	13.52 lbs/gal
Explosive properties	Not explosive.
Flammability class	Combustible II estimated
Oxidizing properties	Not oxidizing.
Percent volatile	14 % estimated
Specific gravity	1.62
VOC	1.91 lbs/gal (229.00 g/l) Coating VOC 1.91 lbs/gal (229.00 g/l) Material VOC 2 lbs/gal (239.12 g/l) Coating VOC as applied 2 lbs/gal (239.12 g/l) Material VOC as applied

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	Aluminum. Phosphorus. Fluorine.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause damage to organs through prolonged or repeated exposure by inhalation.
Skin contact	Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Ingestion	Harmful if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Harmful in contact with skin. Harmful if swallowed. May cause an allergic skin reaction.

Components	Species	Test Results
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)		
Acute		
Dermal		
LD50	Rabbit	10300 mg/kg
Inhalation		
LC50	Rat	1500 mg/l, 8 Hours
Oral		
LD50	Pig	1910 mg/kg
	Rabbit	1950 mg/kg
	Rat	2900 mg/kg

Components	Species	Test Results
METHYL n-AMYL KETONE(MAK) (CAS 110-43-0)		
Acute		
Dermal		
LD50	Rabbit	12600 mg/kg
Oral		
LD50	Mouse	730 mg/kg
	Rat	1.67 g/kg
NAPHTHA(PETROLEUM),HYDROTREATED HEAVY (CAS 64742-48-9)		
Acute		
Inhalation		
LC50	Rat	61 mg/l, 4 Hours
Oral		
LD50	Rat	> 25 ml/kg
n-BUTYL ACETATE (CAS 123-86-4)		
Acute		
Inhalation		
LC50	Wistar rat	160 mg/l, 4 Hours
Oral		
LD50	Rat	14000 mg/kg
PHENOL, NONYL-, BRANCHED (CAS 84852-15-3)		
Acute		
Dermal		
LD50	Rabbit	2140 mg/kg
Oral		
LD50	Rat	1600 mg/kg
ZINC OXIDE (CAS 1314-13-2)		
Acute		
Inhalation		
LC50	Mouse	> 5.7 mg/l, 4 Hours
Oral		
LD50	Mouse	7950 mg/kg
	Rat	> 5 g/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 irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity May cause genetic defects.

Carcinogenicity May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

CRYSTALLINE SILICA QUARTZ (CAS 14808-60-7) 1 Carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

CRYSTALLINE SILICA QUARTZ (CAS 14808-60-7) Known To Be Human Carcinogen.

Reproductive toxicity May damage fertility or the unborn child.

Specific target organ toxicity - single exposure Not classified.

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

Aspiration hazard Not an aspiration hazard.

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

12. Ecological information

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

Components		Species	Test Results
ALUMINUM (CAS 7429-90-5)			
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.16 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
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	34 - 44 mg/l, 96 hours
METHYL n-AMYL KETONE(MAK) (CAS 110-43-0)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	126 - 137 mg/l, 96 hours
NAPHTHA(PETROLEUM),HYDROTREATED HEAVY (CAS 64742-48-9)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	2.7 - 5.1 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	8.8 mg/l, 96 hours
			8.8 mg/l, 96 hours
n-BUTYL ACETATE (CAS 123-86-4)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	17 - 19 mg/l, 96 hours
PHENOL, NONYL-, BRANCHED (CAS 84852-15-3)			
Aquatic			
Crustacea	EC50	Clam (Mulinia lateralis)	0.0379 mg/l, 48 hours
Fish	LC50	Winter flounder (Pleuronectes americanus)	0.017 mg/l, 96 hours
ZINC OXIDE (CAS 1314-13-2)			
Aquatic			
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)	
DIMETHYL ADIPATE	1.03
DIMETHYL SUCCINATE	0.35
METHYL n-AMYL KETONE(MAK)	1.98
n-BUTYL ACETATE	1.78
PHENOL, NONYL-, BRANCHED	5.71

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. 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	Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	III
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	B1, B52, IB3, T2, TP1, TP29
Packaging exceptions	150
Packaging non bulk	173
Packaging bulk	242

IATA

UN number	UN1263
UN proper shipping name	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	III
Environmental hazards	Yes
ERG Code	3L
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	UN1263
UN proper shipping name	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	III
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)

ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)	1.0 % One-Time Export Notification only.
PHENOL, NONYL-, BRANCHED (CAS 84852-15-3)	1.0 % One-Time Export Notification only.

TSCA Chemical Action Plans, Chemicals of Concern

PHENOL, NONYL-, BRANCHED (CAS 84852-15-3)	Nonylphenol (NP) and Nonylphenol Ethoxylates (NPEs) Action Plan

CERCLA Hazardous Substance List (40 CFR 302.4)

BARIUM SULFATE (CAS 7727-43-7)	Listed.
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)	Listed.
n-BUTYL ACETATE (CAS 123-86-4)	Listed.
ZINC OXIDE (CAS 1314-13-2)	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 - 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.
ALUMINUM	7429-90-5	3 - < 5
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	111-15-9	3 - < 5
ZINC OXIDE	1314-13-2	1 - < 3

Other federal regulations

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

ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)

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

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

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))

ALUMINUM (CAS 7429-90-5)
CRYSTALLINE SILICA QUARTZ (CAS 14808-60-7)
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)
MAGNESIUM SILICATE (CAS 14807-96-6)
NAPHTHA(PETROLEUM),HYDROTREATED HEAVY (CAS 64742-48-9)
PHENOL, NONYL-, BRANCHED (CAS 84852-15-3)
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (CAS 64742-95-6)

US. Massachusetts RTK - Substance List

ALUMINUM (CAS 7429-90-5)
BARIUM SULFATE (CAS 7727-43-7)
CALCIUM CARBONATE, LIMESTONE (CAS 1317-65-3)
CRYSTALLINE SILICA QUARTZ (CAS 14808-60-7)
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)
MAGNESIUM SILICATE (CAS 14807-96-6)
METHYL n-AMYL KETONE(MAK) (CAS 110-43-0)
NAPHTHA(PETROLEUM),HYDROTREATED HEAVY (CAS 64742-48-9)
n-BUTYL ACETATE (CAS 123-86-4)
PHENOL, NONYL-, BRANCHED (CAS 84852-15-3)
ZINC OXIDE (CAS 1314-13-2)

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

ALUMINUM (CAS 7429-90-5)
BARIUM SULFATE (CAS 7727-43-7)
CALCIUM CARBONATE, LIMESTONE (CAS 1317-65-3)
CRYSTALLINE SILICA QUARTZ (CAS 14808-60-7)
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)
MAGNESIUM SILICATE (CAS 14807-96-6)
METHYL n-AMYL KETONE(MAK) (CAS 110-43-0)
NAPHTHA(PETROLEUM),HYDROTREATED HEAVY (CAS 64742-48-9)
n-BUTYL ACETATE (CAS 123-86-4)
ZINC OXIDE (CAS 1314-13-2)

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

ALUMINUM (CAS 7429-90-5)
BARIUM SULFATE (CAS 7727-43-7)
CALCIUM CARBONATE, LIMESTONE (CAS 1317-65-3)
CRYSTALLINE SILICA QUARTZ (CAS 14808-60-7)
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)
MAGNESIUM SILICATE (CAS 14807-96-6)
METHYL n-AMYL KETONE(MAK) (CAS 110-43-0)
NAPHTHA(PETROLEUM),HYDROTREATED HEAVY (CAS 64742-48-9)
n-BUTYL ACETATE (CAS 123-86-4)

PHENOL, NONYL-, BRANCHED (CAS 84852-15-3)
ZINC OXIDE (CAS 1314-13-2)

US. Rhode Island RTK

ALUMINUM (CAS 7429-90-5)
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)
n-BUTYL ACETATE (CAS 123-86-4)
ZINC OXIDE (CAS 1314-13-2)

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

BENZENE (CAS 71-43-2)	Listed: February 27, 1987
CRYSTALLINE SILICA QUARTZ (CAS 14808-60-7)	Listed: October 1, 1988
CUMENE (CAS 98-82-8)	Listed: April 6, 2010

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

BENZENE (CAS 71-43-2)	Listed: December 26, 1997
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)	Listed: January 1, 1993

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

BENZENE (CAS 71-43-2)	Listed: December 26, 1997
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)	Listed: January 1, 1993

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
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 01-09-2017

Version # 02

HMIS® ratings
Health: 2*
Flammability: 3
Physical hazard: 0

NFPA ratings
Health: 2
Flammability: 3
Instability: 0

NFPA ratings

Disclaimer

The information contained herein is based on data supplied to us from sources believed to be reliable at the date of issue. Nothing herein shall be deemed to create any warranty of any kind, express or implied, concerning the accuracy or completeness of the information provided or the results to be obtained from the use thereof. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage, transportation, handling and disposal of the product in compliance with applicable federal, state and local laws and regulations. This information relates to the material designated and may not be valid for such material used in combination with any other materials nor in any process.