



# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>VSC™ 1200 TOPCOAT</b>	
<b>Other means of identification</b>		
<b>Product code</b>	1379-73 A V16	
<b>Recommended use</b>	Industrial applications.	
<b>Recommended restrictions</b>	Professional use only	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Manufacturer</b>		
	SDS Manufactured Exclusively for Valentus	
<b>Company name</b>	Valentus Specialty Products, Inc	
<b>Address</b>	1999 Elizabeth Street. North Brunswick, NJ 08902 United States	
<b>Emergency phone number</b>	CHEMTREC	(800) 424-9300

## 2. Hazard(s) identification

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



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Flammable liquid and vapor. Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause genetic defects. May cause cancer. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.
<b>Precautionary statement</b>	
<b>Prevention</b>	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. 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.

<b>Response</b>	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 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. 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.
<b>Storage</b>	Store in a well-ventilated place. Keep cool. Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	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.
<b>Supplemental information</b>	44.55% of the mixture consists of component(s) of unknown acute oral toxicity. 25.14% of the mixture consists of component(s) of unknown acute inhalation toxicity.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
TITANIUM DIOXIDE		13463-67-7	10 - < 20
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE		111-15-9	5 - < 10
METHYL n-AMYL KETONE(MAK)		110-43-0	5 - < 10
n-BUTYL ACETATE		123-86-4	5 - < 10
MAGNESIUM SILICATE		14807-96-6	3 - < 5
ACETYLACETONE (2,4-PENTANEDIONE)		123-54-6	1 - < 3
SILICA		7631-86-9	1 - < 3
CARBON BLACK		1333-86-4	1
3-ETHYL-2-METHYL-2-(3-METHYL BUTYL)-1,3-OXAZOLIDINE		143860-04-2	< 1
BIS(1,2,2,6,6-PENTAMETHYL-4-PI PERIDINYL)SEBACATE		41556-26-7	< 1
DIMETHYL GLUTARATE		1119-40-0	< 1
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC		64742-95-6	< 1
DIMETHYL ADIPATE		627-93-0	< 0.3
DIMETHYL SUCCINATE		106-65-0	< 0.3
CARBON BLACK		1333-86-4	< 0.2

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

### 4. First-aid measures

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	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.
<b>Most important symptoms/effects, acute and delayed</b>	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.
<b>Indication of immediate medical attention and special treatment needed</b>	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.

<b>General information</b>	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.
<b>5. Fire-fighting measures</b>	
<b>Suitable extinguishing media</b>	Water fog. Foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	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.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Flammable liquid and vapor.
<b>6. Accidental release measures</b>	
<b>Personal precautions, protective equipment and emergency procedures</b>	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.
<b>Methods and materials for containment and cleaning up</b>	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. 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.
<b>Environmental precautions</b>	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. 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. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. 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	Form
CARBON BLACK (CAS 1333-86-4)	PEL	3.5 mg/m3	
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)	PEL	540 mg/m3	
METHYL n-AMYL KETONE(MAK) (CAS 110-43-0)	PEL	100 ppm 465 mg/m3	
n-BUTYL ACETATE (CAS 123-86-4)	PEL	100 ppm 710 mg/m3	
TITANIUM DIOXIDE (CAS 13463-67-7)	PEL	150 ppm 15 mg/m3	Total dust.

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

Components	Type	Value	Form
MAGNESIUM SILICATE (CAS 14807-96-6)	TWA	0.3 mg/m3	Total dust.
		0.1 mg/m3 20 mppcf	Respirable.
SILICA (CAS 7631-86-9)	TWA	2.4 mppcf 0.8 mg/m3 20 mppcf	Respirable.

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
ACETYLACETONE (2,4-PENTANEDIONE) (CAS 123-54-6)	TWA	25 ppm	

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
CARBON BLACK (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable 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	
	TWA	150 ppm	
TITANIUM DIOXIDE (CAS 13463-67-7)	TWA	10 mg/m3	

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

Components	Type	Value	Form
CARBON BLACK (CAS 1333-86-4)	TWA	0.1 mg/m3	
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	
n-BUTYL ACETATE (CAS 123-86-4)	STEL	950 mg/m3	
		200 ppm	
	TWA	710 mg/m3	
		150 ppm	
SILICA (CAS 7631-86-9)	TWA	6 mg/m3	

**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**

ACETYLACETONE (2,4-PENTANEDIONE) (CAS 123-54-6) Can be absorbed through the skin.

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 Can be absorbed through the skin.  
(CAS 111-15-9)

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

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

<b>Appropriate engineering controls</b>	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.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Chemical respirator with organic vapor cartridge and full facepiece.
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
<b>Other</b>	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
<b>Respiratory protection</b>	Chemical respirator with organic vapor cartridge and full facepiece.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	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

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Gray.
<b>Odor</b>	Mild.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	-79.06 °F (-61.7 °C) estimated
<b>Initial boiling point and boiling range</b>	255.2 °F (124 °C) estimated
<b>Flash point</b>	80.6 °F (27.0 °C) estimated
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	1.1 % estimated
<b>Flammability limit - upper (%)</b>	7.9 % estimated
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	2.72 hPa estimated
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	714.2 °F (379 °C) estimated

<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Density</b>	11.97 lbs/gal
<b>Explosive properties</b>	Not explosive.
<b>Flammability class</b>	Flammable IC estimated
<b>Oxidizing properties</b>	Not oxidizing.
<b>Percent volatile</b>	25 % estimated
<b>Specific gravity</b>	1.44
<b>VOC</b>	3 lbs/gal (360.00 g/l) Coating VOC 3 lbs/gal (360.00 g/l) Material VOC 2.79 lbs/gal (333.89 g/l) Coating VOC as applied 2.79 lbs/gal (333.89 g/l) Material VOC as applied

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong acids. Nitrates.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation.
<b>Skin contact</b>	Causes skin irritation. May cause an allergic skin reaction.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Ingestion</b>	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 if inhaled. Harmful if swallowed. May cause an allergic skin reaction.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
ACETYLACETONE (2,4-PENTANEDIONE) (CAS 123-54-6)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	790 mg/kg
<b>Inhalation</b>		
LC50	Fischer 344 rat	114 mg/l, 4 Hours
<b>Oral</b>		
LD50	Mouse	951 mg/kg
	Rat	55 mg/kg
CARBON BLACK (CAS 1333-86-4)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	> 8000 mg/kg

Components	Species	Test Results
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	10300 mg/kg
<b>Inhalation</b>		
LC50	Rat	1500 mg/l, 8 Hours
<b>Oral</b>		
LD50	Pig	1910 mg/kg
	Rabbit	1950 mg/kg
	Rat	2900 mg/kg
METHYL n-AMYL KETONE(MAK) (CAS 110-43-0)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	12600 mg/kg
<b>Oral</b>		
LD50	Mouse	730 mg/kg
	Rat	1.67 g/kg
n-BUTYL ACETATE (CAS 123-86-4)		
<b>Acute</b>		
<b>Inhalation</b>		
LC50	Wistar rat	160 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	14000 mg/kg
SILICA (CAS 7631-86-9)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Mouse	> 15000 mg/kg
	Rat	> 22500 mg/kg

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

<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	May cause genetic defects.
<b>Carcinogenicity</b>	May cause cancer.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	
CARBON BLACK (CAS 1333-86-4)	2B Possibly carcinogenic to humans.
SILICA (CAS 7631-86-9)	3 Not classifiable as to carcinogenicity to humans.
TITANIUM DIOXIDE (CAS 13463-67-7)	2B Possibly carcinogenic to humans.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	
Not listed.	
<b>Reproductive toxicity</b>	May damage fertility or the unborn child.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure.
<b>Aspiration hazard</b>	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
<b>ACETYLACETONE (2,4-PENTANEDIONE) (CAS 123-54-6)</b>		
<b>Aquatic</b>		
Crustacea	EC50	Water flea ( <i>Ceriodaphnia reticulata</i> ) 72 - 78 mg/l, 48 hours
Fish	LC50	Channel catfish ( <i>Ictalurus punctatus</i> ) 62.8 - 111 mg/l, 96 hours
<b>ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)</b>		
<b>Aquatic</b>		
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> ) 34 - 44 mg/l, 96 hours
<b>METHYL n-AMYL KETONE(MAK) (CAS 110-43-0)</b>		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) 126 - 137 mg/l, 96 hours
<b>n-BUTYL ACETATE (CAS 123-86-4)</b>		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) 17 - 19 mg/l, 96 hours
<b>TITANIUM DIOXIDE (CAS 13463-67-7)</b>		
<b>Aquatic</b>		
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> ) > 1000 mg/l, 48 hours
Fish	LC50	Mummichog ( <i>Fundulus heteroclitus</i> ) > 1000 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)

ACETYLACETONE (2,4-PENTANEDIONE)	0.14
DIMETHYL ADIPATE	1.03
DIMETHYL SUCCINATE	0.35
METHYL n-AMYL KETONE(MAK)	1.98
n-BUTYL ACETATE	1.78

**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

<b>UN number</b>	UN1263
<b>UN proper shipping name</b>	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** No.**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** No.**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**



## 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)

ACETYLACETONE (2,4-PENTANEDIONE) (CAS 123-54-6) 1.0 % One-Time Export Notification only.  
 ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9) 1.0 % One-Time Export Notification only.

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

ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9) Listed.  
 n-BUTYL ACETATE (CAS 123-86-4) 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.
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	111-15-9	5 - < 10

### 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))

3-ETHYL-2-METHYL-2-(3-METHYLBUTYL)-1,3-OXAZOLIDINE (CAS 143860-04-2)  
 BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL)SEBACATE (CAS 41556-26-7)  
 CARBON BLACK (CAS 1333-86-4)  
 ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)  
 MAGNESIUM SILICATE (CAS 14807-96-6)  
 SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (CAS 64742-95-6)  
 TITANIUM DIOXIDE (CAS 13463-67-7)

**US. Massachusetts RTK - Substance List**

ACETYLACETONE (2,4-PENTANEDIONE) (CAS 123-54-6)  
 CARBON BLACK (CAS 1333-86-4)  
 ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)  
 MAGNESIUM SILICATE (CAS 14807-96-6)  
 METHYL n-AMYL KETONE(MAK) (CAS 110-43-0)  
 n-BUTYL ACETATE (CAS 123-86-4)  
 SILICA (CAS 7631-86-9)  
 TITANIUM DIOXIDE (CAS 13463-67-7)

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

ACETYLACETONE (2,4-PENTANEDIONE) (CAS 123-54-6)  
 CARBON BLACK (CAS 1333-86-4)  
 ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)  
 MAGNESIUM SILICATE (CAS 14807-96-6)  
 METHYL n-AMYL KETONE(MAK) (CAS 110-43-0)  
 n-BUTYL ACETATE (CAS 123-86-4)  
 SILICA (CAS 7631-86-9)  
 TITANIUM DIOXIDE (CAS 13463-67-7)

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

ACETYLACETONE (2,4-PENTANEDIONE) (CAS 123-54-6)  
 CARBON BLACK (CAS 1333-86-4)  
 ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)  
 MAGNESIUM SILICATE (CAS 14807-96-6)  
 METHYL n-AMYL KETONE(MAK) (CAS 110-43-0)  
 n-BUTYL ACETATE (CAS 123-86-4)  
 SILICA (CAS 7631-86-9)  
 TITANIUM DIOXIDE (CAS 13463-67-7)

**US. Rhode Island RTK**

ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)  
 n-BUTYL ACETATE (CAS 123-86-4)

**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,1-METHYLETHYL- (CAS 98-82-8)	Listed: April 6, 2010
CARBON BLACK (CAS 1333-86-4)	Listed: February 21, 2003
ETHYLBENZENE (CAS 100-41-4)	Listed: June 11, 2004
TITANIUM DIOXIDE (CAS 13463-67-7)	Listed: September 2, 2011

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

ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (CAS 111-15-9)	Listed: January 1, 1993
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
------------------------	------------------------

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

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 #	04
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.