CLOVAMASTIC LOW TEMP CURE EPOXY BLACK

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 07/25/2016 Revision date: 12/08/2016 Supersedes: 07/25/2016 Version: 1.10

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture

Product name : CLOVAMASTIC LOW TEMP CURE EPOXY BLACK

Product code : 83114A

Product group : Trade product

1.2. Recommended use and restrictions on use

Recommended use : Coatings and paints, thinners, paint removers

1.3. Supplier

Cloverdale Paint Inc.
400- 2630 Croydon Drive
V3Z 6T3 Winnipeg - CANADA
T 1-(604)-596-6261
btinsley@cloverdalepaint.com - www.cloverdalepaint.com

1.4. Emergency telephone number

Emergency number : CANUTEC 24 hr. Emergency Number (613) 996-6666

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS-CA)

Flammable liquids Category 2	H225
Skin sensitization Category 1	H317
Carcinogenicity Category 2	H351
Specific target organ toxicity (repeated exposure) Category 2	H373
Hazardous to the aquatic environment - Chronic Hazard Category 2	H411

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-CA labeling

Hazard pictograms (GHS-CA) :

GHS02 GHS07 GHS08 GHS09

Signal word (GHS-CA) : Danger

Hazard statements (GHS-CA) : H225 - Highly flammable liquid and vapor
H317 - May cause an allergic skin reaction
H351 - Suspected of causing cancer (Dermal, Inhalation, oral)
H373 - May cause damage to organs (kidneys, liver, lungs) through prolonged or repeated exposure (Dermal, Inhalation, oral)
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS-CA) : P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P233 - Keep container tightly closed
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical, lighting, ventilating equipment
P242 - Use only non-sparking tools
P261 - Avoid breathing mist, spray, vapors

P272 - Contaminated work clothing should not be allowed out of the workplace
P273 - Avoid release to the environment
P280 - Wear eye protection, protective clothing, protective gloves
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water
P314 - Get medical advice/attention if you feel unwell
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
P370+P378 - In case of fire: Use carbon dioxide (CO2), foam, Dry chemical. to extinguish
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-CA)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
FILLER ADDITIVE		(CAS No) 37244-96-5	35.5	Not classified
DIGLYCIDYL ETHER OF BISPHENOL F	Phenol, polymer with formaldehyde, oxiranylmethyl ether / Polymer, phenol formaldehyde with glycidyl ether / Polymers of epichlorohydrin/phenol/formaldehyde novolacs / Phenol, polymer with formaldehyde, oxiranylmethyl ether / Polymer, phenol formaldehyde with glycidyl ether / Polymers of epichlorohydrin/phenol/formaldehyde novolacs	(CAS No) 28064-14-4	30.2	Not classified
WOLLASTONITE PRODUCT	Calcium metasilicates / Wollastonite / Wollastonite calcium silicates / Calcium metasilicates / Wollastonite / Wollastonite calcium silicates	(CAS No) 13983-17-0	15.4	Not classified
M.E.K.	Butan-2-one / 2-Butanone / Ethyl methyl ketone / Methyl acetone / MEK / Butanone-2 / Butanone / Butan-2-one / 2-Butanone / Ethyl methyl ketone / Methyl acetone / MEK / Butanone-2 / Butanone	(CAS No) 78-93-3	6	Flam. Liq. 2, H225 STOT SE 3, H336
Alkyl (C12-14) glycidyl ether	Alkyl glycidyl ether / Oxirane, mono[(C12-14)-alkyloxy)methyl] derivatives / Oxirane, mono[(C12-14-alkyloxy)methyl] derivatives / Oxirane, mono-(C12-14-alkyloxy)methyl derivatives / (C12-14 Alkyl) glycidyl ether / Alkyl(C12-14) glycidyl ether / Oxirane, 2-((C12-14-alkyloxy)methyl) derivatives / Oxirane, 2-[(C12-14-alkyloxy)methyl] derivatives / Alkyl glycidyl ether / Oxirane, mono[(C12-14)-alkyloxy)methyl] derivatives / Oxirane, mono[(C12-14-alkyloxy)methyl] derivatives / Oxirane, mono-(C12-14-alkyloxy)methyl derivatives / (C12-14 Alkyl) glycidyl ether / Alkyl(C12-14) glycidyl ether / Oxirane, 2-((C12-14-alkyloxy)methyl) derivatives / Oxirane, 2-[(C12-14-alkyloxy)methyl] derivatives	(CAS No) 68609-97-2	1.8	Skin Irrit. 2, H315 Skin Sens. 1, H317

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
CARBON BLACK PIGMENT	C.I. 77266 / C.I. Pigment Black 6 / C.I. Pigment Black 7 / Carbon blacks / Lampblack / CI 77266 / Vegetable carbon / BONJET BLACK CW / Microjet Black CW / Pigment Black 7 / Carbon Black / Coal soot / Coal soots / Channel black / C.I. 77266 / C.I. Pigment Black 6 / C.I. Pigment Black 7 / Carbon blacks / Lampblack / CI 77266 / Vegetable carbon / BONJET BLACK CW / Microjet Black CW / Pigment Black 7 / Carbon Black / Coal soot / Coal soots / Channel black	(CAS No) 1333-86-4	1.5	Not classified
FURFURYL ALCOHOL	Furan, 2-hydroxymethyl- / 2-Furancarbinol / 2-Furanmethanol / Furfural alcohol / Furyl alcohol / 2-Furylcarbinol / 2-Furylmethanol / 2-Hydroxymethylfuran / Methanol, (2-furyl)- / NCI-C56224 / Furan carbinol / Furfurol / 2-Furfuryl alcohol / Furan-2-ylmethanol / Furan-2-yl methanol / Furyl-2-methanol / Fur-2-ylmethanol / Furan, 2-hydroxymethyl- / 2-Furancarbinol / 2-Furanmethanol / Furfural alcohol / Furyl alcohol / 2-Furylcarbinol / 2-Furylmethanol / 2-Hydroxymethylfuran / Methanol, (2-furyl)- / NCI-C56224 / Furan carbinol / Furfurol / 2-Furfuryl alcohol / Furan-2-ylmethanol / Furan-2-yl methanol / Furyl-2-methanol / Fur-2-ylmethanol	(CAS No) 98-00-0	1.2	Flam. Liq. 4, H227 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation:vapor), H331 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
Glycidoxypropyltrimethoxysilane	[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane / Silane, [3-(2,3-epoxypropoxy)propyl]trimethoxy- / Silane, 3-(2,3-epoxypropoxy)propyltrimethoxy- / Silane, trimethoxy[3-(oxiranylmethoxy)propyl]- / 3-(Trimethoxysilyl)propyl glycidyl ether / Oxirane, 2-[[3-(trimethoxysilyl)propoxy]methyl]- / (3-(2,3-Epoxypropoxy)propyl)trimethoxysilane / .gamma.-Glycidoxypropyl trimethoxysilane / (3-Glycidoxypropyl)trimethoxysilane / Trimethoxy[3-(oxiranylmethoxy)propyl]silane / 2,3-Epoxy propoxy propyltrimethoxysilicane / 3-Glycidoxypropyltrimethoxysilane / [3-(2,3-Epoxypropoxy)propyl]trimethoxysilane / Silane, [3-(2,3-epoxypropoxy)propyl]trimethoxy- / Silane, 3-(2,3-epoxypropoxy)propyltrimethoxy- / Silane, trimethoxy[3-(oxiranylmethoxy)propyl]- / 3-(Trimethoxysilyl)propyl glycidyl ether / Oxirane, 2-[[3-(trimethoxysilyl)propoxy]methyl]- / (3-(2,3-Epoxypropoxy)propyl)trimethoxysilane / .gamma.-Glycidoxypropyl trimethoxysilane / (3-Glycidoxypropyl)trimethoxysilane / Trimethoxy[3-(oxiranylmethoxy)propyl]silane / 2,3-Epoxy propoxy propyltrimethoxysilicane / 3-Glycidoxypropyltrimethoxysilane	(CAS No) 2530-83-8	0.3	Not classified

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact	:	Rinse eyes with water as a precaution.
First-aid measures after ingestion	:	Call a poison center or a doctor if you feel unwell.
First-aid measures general	:	IF exposed or concerned: Get medical advice/attention.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/injuries after inhalation	:	May cause respiratory irritation. May cause headache and dizziness.
Symptoms/injuries after skin contact	:	May cause moderate irritation. Repeated or prolonged contact may cause sensitization of the skin (dermatitis, reddening,...). May cause an allergic skin reaction.
Symptoms/injuries after eye contact	:	May cause severe irritation.
Symptoms/injuries after ingestion	:	Swallowing a small quantity of this material will result in serious health hazard.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	:	Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	:	Dry chemical. Foam. Carbon dioxide. Water spray. Dry powder.

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

Fire hazard	:	Flammable liquid and vapor. Highly flammable liquid and vapor.
Explosion hazard	:	May form flammable/explosive vapor-air mixture.

5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions	:	Eliminate all ignition sources if safe to do so. Evacuate area. Exercise caution when fighting any chemical fire. Use extinguishing agent suitable for surrounding fire. Use water spray or fog for cooling exposed containers. Wear personal protective equipment.
Protection during firefighting	:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Avoid contact with skin and eyes. Avoid inhalation of vapor and spray mist. Eliminate every possible source of ignition. Evacuate area. Ground and bond container and receiving equipment. Soak up with absorbent material (for example sand, sawdust, neutral absorbent granule, silica gel). Ventilate area. Wear personal protective equipment.

6.2. Methods and materials for containment and cleaning up

For containment	:	Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect spillage. Dispose of contaminated materials in accordance with current regulations.
Methods for cleaning up	:	Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	:	Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

For further information refer to section 8 "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes. Ground/bond container and receiving equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapors/spray.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Separate working clothes from town clothes. Launder separately. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
Additional hazards when processed	:	Avoid breathing dust, mist or spray. Avoid contact with skin and eyes. Ensure good ventilation of the work station. Ground and bond container and receiving equipment. Handle carefully.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Ground/bond container and receiving equipment. Keep container closed when not in use. Provide local exhaust or general room ventilation.
Storage conditions	:	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Incompatible products	:	Oxidizing agent. Strong bases. strong acids.
Incompatible materials	:	chlorinated derivatives.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Glycidoxypropyltrimethoxysilane (2530-83-8)		
USA - ACGIH	ACGIH TWA (ppm)	5 ppm GLYCIDOXYPROPYL TRIMETHOXYSILANE
USA - ACGIH	ACGIH STEL (ppm)	10 ppm GLYCIDOXYPROPYL TRIMETHOXYSILANE

CARBON BLACK PIGMENT (1333-86-4)		
USA - ACGIH	ACGIH TWA (mg/m³)	3 mg/m³ (inhalable particulate matter)
USA - OSHA	OSHA PEL (TWA) (mg/m³)	3.5 mg/m³
Canada (Quebec)	VEMP (mg/m³)	3.5 mg/m³
Alberta	OEL TWA (mg/m³)	3.5 mg/m³
British Columbia	OEL TWA (mg/m³)	3 mg/m³ (inhalable)
Manitoba	OEL TWA (mg/m³)	3 mg/m³ (inhalable particulate matter)
New Brunswick	OEL TWA (mg/m³)	3.5 mg/m³
New Foundland & Labrador	OEL TWA (mg/m³)	3 mg/m³ (inhalable particulate matter)
Nova Scotia	OEL TWA (mg/m³)	3 mg/m³ (inhalable particulate matter)
Nunavut	OEL STEL (mg/m³)	7 mg/m³
Nunavut	OEL TWA (mg/m³)	3.5 mg/m³
Northwest Territories	OEL STEL (mg/m³)	7 mg/m³
Northwest Territories	OEL TWA (mg/m³)	3.5 mg/m³
Ontario	OEL TWA (mg/m³)	3 mg/m³ (inhalable)
Prince Edward Island	OEL TWA (mg/m³)	3 mg/m³ (inhalable particulate matter)
Québec	VEMP (mg/m³)	3.5 mg/m³
Saskatchewan	OEL STEL (mg/m³)	7 mg/m³
Saskatchewan	OEL TWA (mg/m³)	3.5 mg/m³
Yukon	OEL STEL (mg/m³)	7 mg/m³
Yukon	OEL TWA (mg/m³)	3.5 mg/m³

FILLER ADDITIVE (37244-96-5)		
USA - ACGIH	ACGIH TWA (mg/m³)	10 mg/m³ INHALABLE DUST
USA - ACGIH	ACGIH STEL (mg/m³)	3 mg/m³ RESPIRABLE DUST
USA - ACGIH	ACGIH STEL (ppm)	0 ppm
Ontario	OEL TWA (mg/m³)	10 mg/m³ (total dust)

WOLLASTONITE PRODUCT (13983-17-0)		
USA - ACGIH	ACGIH TWA (mg/m³)	1 mg/m³ (inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica)
USA - OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³ WOLLASTONITE; RESPIRABLE FRACTION
Canada (Quebec)	VEMP (mg/m³)	10 mg/m³ (containing no Asbestos and <1% Crystalline silica-total dust) 5 mg/m³ (containing no Asbestos and <1% Crystalline silica-respirable dust)
Manitoba	OEL TWA (mg/m³)	1 mg/m³ (inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica)
New Foundland & Labrador	OEL TWA (mg/m³)	1 mg/m³ (inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica)

WOLLASTONITE PRODUCT (13983-17-0)		
Nova Scotia	OEL TWA (mg/m³)	1 mg/m³ (inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica)
Prince Edward Island	OEL TWA (mg/m³)	1 mg/m³ (particulate matter containing no Asbestos and <1% Crystalline silica-inhalable particulate matter)
Québec	VEMP (mg/m³)	10 mg/m³ (containing no Asbestos and <1% Crystalline silica-total dust)

FURFURYL ALCOHOL (98-00-0)		
USA - ACGIH	ACGIH TWA (ppm)	10 ppm
USA - ACGIH	ACGIH STEL (ppm)	15 ppm
USA - ACGIH	Remark (ACGIH)	URT & eye irr
USA - OSHA	OSHA PEL (TWA) (mg/m³)	200 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	50 ppm
Canada (Quebec)	VECD (mg/m³)	60 mg/m³
Canada (Quebec)	VECD (ppm)	15 ppm
Canada (Quebec)	VEMP (mg/m³)	40 mg/m³
Canada (Quebec)	VEMP (ppm)	10 ppm
Alberta	OEL STEL (mg/m³)	60 mg/m³
Alberta	OEL STEL (ppm)	15 ppm
Alberta	OEL TWA (mg/m³)	40 mg/m³
Alberta	OEL TWA (ppm)	10 ppm
British Columbia	OEL STEL (ppm)	10 ppm
British Columbia	OEL TWA (ppm)	5 ppm
Manitoba	OEL STEL (ppm)	15 ppm
Manitoba	OEL TWA (ppm)	10 ppm
New Brunswick	OEL STEL (mg/m³)	60 mg/m³
New Brunswick	OEL STEL (ppm)	15 ppm
New Brunswick	OEL TWA (mg/m³)	40 mg/m³
New Brunswick	OEL TWA (ppm)	10 ppm
New Foundland & Labrador	OEL STEL (ppm)	15 ppm
New Foundland & Labrador	OEL TWA (ppm)	10 ppm
Nova Scotia	OEL STEL (ppm)	15 ppm
Nova Scotia	OEL TWA (ppm)	10 ppm
Nunavut	OEL STEL (ppm)	15 ppm
Nunavut	OEL TWA (ppm)	10 ppm
Northwest Territories	OEL STEL (ppm)	15 ppm
Northwest Territories	OEL TWA (ppm)	10 ppm
Ontario	OEL STEL (ppm)	15 ppm
Ontario	OEL TWA (ppm)	10 ppm
Prince Edward Island	OEL STEL (ppm)	15 ppm
Prince Edward Island	OEL TWA (ppm)	10 ppm
Québec	VECD (mg/m³)	60 mg/m³
Québec	VECD (ppm)	15 ppm
Québec	VEMP (mg/m³)	40 mg/m³
Québec	VEMP (ppm)	10 ppm
Saskatchewan	OEL STEL (ppm)	15 ppm
Saskatchewan	OEL TWA (ppm)	10 ppm
Yukon	OEL STEL (mg/m³)	40 mg/m³
Yukon	OEL STEL (ppm)	10 ppm
Yukon	OEL TWA (mg/m³)	20 mg/m³
Yukon	OEL TWA (ppm)	5 ppm

M.E.K. (78-93-3)		
USA - ACGIH	ACGIH TWA (ppm)	200 ppm
USA - ACGIH	ACGIH STEL (ppm)	300 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m³)	590 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	200 ppm
Canada (Quebec)	VECD (mg/m³)	300 mg/m³
Canada (Quebec)	VECD (ppm)	100 ppm
Canada (Quebec)	VEMP (mg/m³)	150 mg/m³
Canada (Quebec)	VEMP (ppm)	50 ppm
Alberta	OEL STEL (mg/m³)	885 mg/m³
Alberta	OEL STEL (ppm)	300 ppm
Alberta	OEL TWA (mg/m³)	590 mg/m³
Alberta	OEL TWA (ppm)	200 ppm
British Columbia	OEL STEL (ppm)	100 ppm
British Columbia	OEL TWA (ppm)	50 ppm
Manitoba	OEL STEL (ppm)	300 ppm
Manitoba	OEL TWA (ppm)	200 ppm
New Brunswick	OEL STEL (mg/m³)	885 mg/m³
New Brunswick	OEL STEL (ppm)	300 ppm
New Brunswick	OEL TWA (mg/m³)	590 mg/m³
New Brunswick	OEL TWA (ppm)	200 ppm
New Foundland & Labrador	OEL STEL (ppm)	300 ppm
New Foundland & Labrador	OEL TWA (ppm)	200 ppm
Nova Scotia	OEL STEL (ppm)	300 ppm
Nova Scotia	OEL TWA (ppm)	200 ppm
Nunavut	OEL STEL (ppm)	300 ppm
Nunavut	OEL TWA (ppm)	200 ppm
Northwest Territories	OEL STEL (ppm)	300 ppm
Northwest Territories	OEL TWA (ppm)	200 ppm
Ontario	OEL STEL (ppm)	300 ppm
Ontario	OEL TWA (ppm)	200 ppm
Prince Edward Island	OEL STEL (ppm)	300 ppm
Prince Edward Island	OEL TWA (ppm)	200 ppm
Québec	VECD (mg/m³)	300 mg/m³
Québec	VECD (ppm)	100 ppm
Québec	VEMP (mg/m³)	150 mg/m³
Québec	VEMP (ppm)	50 ppm
Saskatchewan	OEL STEL (ppm)	300 ppm
Saskatchewan	OEL TWA (ppm)	200 ppm
Yukon	OEL STEL (mg/m³)	740 mg/m³
Yukon	OEL STEL (ppm)	250 ppm
Yukon	OEL TWA (mg/m³)	590 mg/m³
Yukon	OEL TWA (ppm)	200 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment : Gas mask. Gloves. Protective clothing. Safety glasses.

Hand protection : Protective gloves.

Eye protection	:	Safety glasses.
Skin and body protection	:	Wear suitable protective clothing.
Respiratory protection	:	Wear respiratory protection.
Environmental exposure controls	:	Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Liquid.
Color	:	Black.
Odor	:	sharp
Odor threshold	:	No data available
pH	:	7
pH solution	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Relative evaporation rate (ether=1)	:	No data available
Melting point	:	Not applicable
Freezing point	:	-40 °C
Boiling point	:	79 - 218 °C
Flash point	:	-6 °C TAG CLOSED CUP
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not applicable
Vapor pressure	:	77.5 mm Hg
Vapor pressure at 50 °C	:	No data available
Relative vapor density at 20 °C	:	No data available
Specific gravity	:	1.629
Relative density of saturated gas/air mixture	:	No data available
Specific gravity / density	:	No data available
Relative gas density	:	No data available
Solubility	:	Water: 1 %
Log Pow	:	No data available
Log Kow	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Explosion limits	:	1.4 vol % 16.3 vol %

9.2. Other information

VOC content	:	124 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	:	Highly flammable liquid and vapor.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use.
Conditions to avoid	:	Avoid contact with hot surfaces. Heat. No flames, No sparks. Eliminate all sources of ignition.
Incompatible materials	:	acids. alkaline products. chlorinated derivatives. Oxidizing agent.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Likely routes of exposure	:	Dermal. Ingestion. Inhalation.

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified

Acute toxicity (inhalation) : Not classified

Glycidoxypropyltrimethoxysilane (2530-83-8)	
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 5.3 mg/l/4h

CARBON BLACK PIGMENT (1333-86-4)	
LD50 oral rat	> 15400 mg/kg

Alkyl (C12-14) glycidyl ether (68609-97-2)	
LD50 oral rat	17100 mg/kg

FURFURYL ALCOHOL (98-00-0)	
LD50 oral rat	110 mg/kg
LD50 dermal rabbit	657 mg/kg
LC50 inhalation rat (ppm)	233 ppm/4h

M.E.K. (78-93-3)	
LD50 oral rat	2483 mg/kg
LD50 dermal rabbit	5000 mg/kg
LC50 inhalation rat (ppm)	11700 ppm/4h

Skin corrosion/irritation : Not classified
pH: 7

Serious eye damage/irritation : Not classified
pH: 7

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer (Dermal, Inhalation, oral).

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : May cause damage to organs (kidneys, liver, lungs) through prolonged or repeated exposure (Dermal, Inhalation, oral).

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

CARBON BLACK PIGMENT (1333-86-4)	
LC50 fish 1	> 1000 mg/l Brachydanio rerio
EC50 Daphnia 1	> 5600 mg/l
ErC50 (algae)	> 10000 mg/l Scenedesmus subspicatus

FURFURYL ALCOHOL (98-00-0)	
LC50 fish 1	32 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

M.E.K. (78-93-3)	
LC50 fish 1	3130 - 3320 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	> 520 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Daphnia 2	5091 mg/l (Exposure time: 48 h - Species: Daphnia magna)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

M.E.K. (78-93-3)	
Log Pow	0.3

12.4. Mobility in soil

M.E.K. (78-93-3)	
Log Pow	0.3

12.5. Other adverse effects

GWPmix comment : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Waste disposal recommendations : Avoid release to the environment.

Additional information : Flammable vapors may accumulate in the container.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

TDG

UN-No. (TDG) : UN1263

Packing group : II - Medium Danger

TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids

Transport document description : UN1263 PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) with not more than 20 per cent nitrocellulose by mass if the nitrogen content of the nitrocellulose is not more than 12.6 per cent by mass), 3, II

Proper Shipping Name (TDG) : PAINT

including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) with not more than 20 per cent nitrocellulose by mass if the nitrogen content of the nitrocellulose is not more than 12.6 per cent by mass

Hazard labels (TDG) : 3 - Flammable liquids

TDG Special Provisions : 59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20 per cent nitrocellulose if the nitrocellulose contains not more than 12.6 per cent nitrogen (by dry mass)
142 - The following shipping names may be used to meet the requirements of Part 3 (Documentation) and Part 4 (Dangerous Goods Safety Marks) when these dangerous goods are offered for transport in the same means of containment: (a)"PAINT RELATED MATERIAL" may be used for a means of containment containing both paint and paint related material; (b)"PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE" may be used for a means of containment containing both paint, corrosive, flammable, and paint related material, corrosive, flammable; (c)"PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE" may be used for a means of containment containing both paint, flammable, corrosive, and paint related material, flammable, corrosive; and (d)"PRINTING INK RELATED MATERIAL" may be used for a means of containment containing both printing ink and printing ink related material. SOR/2014-306

Explosive Limit and Limited Quantity Index : 5 L

Excepted quantities (TDG) : E2

Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 5 L

14.2. Transport information/DOT

DOT

DOT NA no. : UN1263

UN-No.(DOT) : 1263

Packing group (DOT) : II - Medium Danger

Transport document description : UN1263 Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base), 3, II

Proper Shipping Name (DOT) : Paint

including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base

Contains Statement Field Selection (DOT)	:	
Class (DOT)	:	3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Division (DOT)	:	3
Hazard labels (DOT)	:	3 - Flammable liquid

Dangerous for the environment	:	Yes
DOT Special Provisions (49 CFR 172.102)	:	149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packaging may be increased to 5 L (1.3 gallons) B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F) TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP
DOT Packaging Exceptions (49 CFR 173.xxx)	:	150
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	173
DOT Packaging Bulk (49 CFR 173.xxx)	:	242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	60 L
DOT Vessel Stowage Location	:	B - (i) The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) ‘‘On deck only’’ on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded
Emergency Response Guide (ERG) Number	:	128
Other information	:	No supplementary information available.

14.3. Air and sea transport

IMDG

UN-No. (IMDG)	:	1263
Proper Shipping Name (IMDG)	:	PAINT
Class (IMDG)	:	3 - Flammable liquids
Packing group (IMDG)	:	II - substances presenting medium danger

IATA

UN-No. (IATA)	:	1263
Proper Shipping Name (IATA)	:	Paint
Class (IATA)	:	3 - Flammable Liquids
Packing group (IATA)	:	II - Medium Danger

SECTION 15: Regulatory information

15.1. National regulations

Glycidoxypropyltrimethoxysilane (2530-83-8)
Listed on the Canadian DSL (Domestic Substances List) inventory

CARBON BLACK PIGMENT (1333-86-4)
Listed on the Canadian DSL (Domestic Substances List) inventory

FILLER ADDITIVE (37244-96-5)
Listed on the Canadian DSL (Domestic Substances List) inventory

Alkyl (C12-14) glycidyl ether (68609-97-2)
Listed on the Canadian DSL (Domestic Substances List) inventory

DIGLYCIDYL ETHER OF BISPHENOL F (28064-14-4)
Listed on the Canadian DSL (Domestic Substances List) inventory

FURFURYL ALCOHOL (98-00-0)
Listed on the Canadian DSL (Domestic Substances List) inventory

M.E.K. (78-93-3)
Listed on the Canadian DSL (Domestic Substances List) inventory

15.2. International regulations

Glycidoxypropyltrimethoxysilane (2530-83-8)
Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory
Listed on the Korean ECL (Existing Chemical List) inventory
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on Turkish inventory of chemical

CARBON BLACK PIGMENT (1333-86-4)
Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances
Listed on European List of Notified Chemical Substances (ELINCS)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory
Listed on the Korean ECL (Existing Chemical List) inventory
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

FILLER ADDITIVE (37244-96-5)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

WOLLASTONITE PRODUCT (13983-17-0)
Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory
Listed on the Korean ECL (Existing Chemical List) inventory
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

Alkyl (C12-14) glycidyl ether (68609-97-2)
Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory
Listed on the Korean ECL (Existing Chemical List) inventory
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on Turkish inventory of chemical

DIGLYCIDYL ETHER OF BISPHENOL F (28064-14-4)

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory
Listed on the Korean ECL (Existing Chemical List) inventory
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

FURFURYL ALCOHOL (98-00-0)

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory
Listed on the Korean ECL (Existing Chemical List) inventory
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

M.E.K. (78-93-3)

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory
Listed on the Korean ECL (Existing Chemical List) inventory
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Poisonous and Deleterious Substances Control Law
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

SECTION 16: Other information

SDS Major/Minor	:	None
Date of issue	:	25/07/2016
Revision date	:	08/12/2016
Supersedes	:	25/07/2016

Full text of H-phrases:

H225	Highly flammable liquid and vapor
H227	Combustible liquid
H301	Toxic if swallowed
H311	Toxic in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H331	Toxic if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

SDS Canada (GHS)

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