



Safety Data Sheet

Issue date 11-Apr-2019

Revision date 10-Apr-2019

Revision Number 1

1. IDENTIFICATION

Product identification

Product identifier Kent® Chem-Weld 45 Adhesive Plastic Repair - Part B

Other means of identification P10611B

Recommended use Adhesive

Restrictions on use For industrial use only

Supplier

Corporate Headquarters:
Kent Automotive
8770 W. Bryn Mawr Ave.- Suite 900
Chicago, IL 60631
(888)-937-5368

Canadian Distribution Center:
Lawson Canada
7315 Rapistan Court
Mississauga, ON L5N 5Z4
(800) 323-5922

24 Hour Emergency Phone Number (888) 426-4851 (Prosar)

Website <https://www.lawsonproducts.com>

2. HAZARD(S) IDENTIFICATION

Hazard Classification This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 3

Symbol



Signal word WARNING

Hazard statements

H315 - Causes skin irritation
H302 - Harmful if swallowed
H319 - Causes serious eye irritation
H317 - May cause an allergic skin reaction
H335 - May cause respiratory irritation

Precautionary statements

Prevention

P280 - Wear protective gloves/protective clothing and eye/face protection
P272 - Contaminated work clothing should not be allowed out of the workplace
P264 - Wash skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P271 - Use only outdoors or in a well-ventilated area

Response

General

P321 - For Specific treatment see section 4 of this sds

Eyes

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention

Skin

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse

Inhalation

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Ingestion

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P330 - Rinse mouth

Storage

P405 - Store locked up
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

Disposal

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

Hazard(s) Not Otherwise Classified (HNOC)

Not applicable.

Physical Hazards Not Otherwise Classified (PHNOC)

Not applicable.

Unknown acute toxicity

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition

Mixture.

Chemical name	CAS-No	Weight %
Bisphenol A - Epichlorohydrin polymer	25068-38-6	60-70
Diglycidyl Ethers of Bisphenol A Resins	28064-14-4	13-20

Modified Silicone Dioxide	67762-90-7	5-7
Diglycidyl Ether Bisphenol A Epoxy Resin	25085-99-8	5-7
Castor oil glycidyl ether	74398-71-3	0-1
Titanium dioxide	13463-67-7	<1
Quartz (Crystalline Silica)	14808-60-7	<1
Methanol	67-56-1	<1
Glycidoxyparyl-Trimethoxysilane	2530-83-8	<1
Ethylene glycol	107-21-1	<1
Carbon Black	1333-86-4	<1
Calcium Carbonate	1317-65-3	<1

4. FIRST-AID MEASURES

Necessary first-aid measures

General Information

Immediately remove all soiled and contaminated clothing. Symptoms of poisoning may occur, even after several hours. Keep under medical supervision for at least 48 hours.

Inhalation

Remove to fresh air. If unconscious, place patient in side position for transportation. Seek medical attention.

Ingestion

Contact physician or poison control center immediately.

Skin contact

Immediately wash with water and soap and rinse thoroughly.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Most important symptoms (acute)

No further relevant information available.

Most important symptoms (over-exposure)

Not available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media

None known.

Specific hazards

Not available.

Special protective equipment for fire-fighters

No special measures are required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs.

Methods and materials for containment and cleaning up

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Clean up residue with soap and water. Dispose of absorbent in accordance with local, state and federal regulations. Ensure adequate ventilation.

7. HANDLING AND STORAGE

Precautions for safe handling

No special handling procedures needed. Ensure good ventilation or exhaustion at the workplace. Prevent formation of aerosols.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Bisphenol A - Epichlorohydrin polymer	-	-	-
Diglycidyl Ethers of Bisphenol A Resins	-	-	-
Modified Silicone Dioxide	-	-	-
Diglycidyl Ether Bisphenol A Epoxy Resin	-	-	-
Castor oil glycidyl ether	-	-	-
Titanium dioxide	15 mg/m ³ TWA	10 mg/m ³ TWA	2.4 mg/m ³ TWA 0.3 mg/m ³ TWA
Quartz (Crystalline Silica)	50 µg/m ³ TWA 50 µg/m ³ TWA	0.025 mg/m ³ TWA	0.05 mg/m ³ TWA
Methanol	200 ppm TWA 260 mg/m ³ TWA	250 ppm STEL 200 ppm TWA Skin	250 ppm STEL 325 mg/m ³ STEL 200 ppm TWA 260 mg/m ³ TWA
Glycidoxypropyl-Trimethoxysilane	-	-	-
Ethylene glycol	-	50 ppm STEL 10 mg/m ³ STEL 25 ppm TWA	-
Carbon Black	3.5 mg/m ³ TWA	3 mg/m ³ TWA	3.5 mg/m ³ TWA 0.1 mg/m ³ TWA
Calcium Carbonate	15 mg/m ³ TWA 5 mg/m ³ TWA	-	10 mg/m ³ TWA 5 mg/m ³ TWA

Appropriate engineering controls

Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye protection

Tightly fitting safety goggles.

Skin and body protection

Chemical-resistant, impervious gloves (Nitrile or Viton) complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use the the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Respiratory protection

If permissible levels are exceeded use NIOSH mechanical filter/organic vapor cartridge or an air-supplied respirator.

Hygiene measures

Keep away from food, drink and animal feeding stuffs. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of workday. Avoid contact with skin, eyes and clothing.

**Canadian Province Occupational
Exposure Limits**

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundl and & Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatche wan - OEL
Bisphenol A - Epichlorohydrin polymer	-	-	-	-	-	-	-	-	-	-
Diglycidyl Ethers of Bisphenol A Resins	-	-	-	-	-	-	-	-	-	-
Modified Silicone Dioxide	-	-	-	-	-	-	-	-	-	-
Diglycidyl Ether Bisphenol A Epoxy Resin	-	-	-	-	-	-	-	-	-	-
Castor oil glycidyl ether	-	-	-	-	-	-	-	-	-	-
Titanium dioxide	10 mg/m ³ TWA	10 mg/m ³ TWA 3 mg/m ³ TWA	10 mg/m ³ TWA	10 mg/m ³ TWA	10 mg/m ³ TWA	10 mg/m ³ TWA	10 mg/m ³ TWA	10 mg/m ³ TWA	10 mg/m ³ TWA TWA	20 mg/m ³ STEL 10 mg/m ³ TWA
Quartz (Crystalline Silica)	0.025 mg/m ³ TWA	0.025 mg/m ³ TWA	0.025 mg/m ³ TWA	0.1 mg/m ³ TWA	0.025 mg/m ³ TWA	0.025 mg/m ³ TWA	0.10 mg/m ³ TWA	0.025 mg/m ³ TWA	0.1 mg/m ³ TWA TWA	0.05 mg/m ³ TWA
Methanol	250 ppm STEL 328 mg/m ³ STEL 200 ppm TWA 262 mg/m ³ TWA	250 ppm STEL 200 ppm TWA	200 ppm TWA 250 ppm STEL	250 ppm STEL 328 mg/m ³ STEL 200 ppm TWA 262 mg/m ³ TWA	250 ppm STEL 200 ppm TWA	250 ppm STEL 200 ppm TWA	250 ppm STEL 200 ppm TWA	250 ppm STEL 200 ppm TWA	250 ppm STEL 328 mg/m ³ STEL 200 ppm TWA 262 mg/m ³ TWA	250 ppm STEL 200 ppm TWA
Glycidoxypyrrol-Tri methoxysilane	-	-	-	-	-	-	-	-	-	-
Ethylene glycol	100 mg/m ³ Ceiling	100 mg/m ³ Ceiling 50 ppm Ceiling 20 mg/m ³ STEL 10 mg/m ³ TWA	25 ppm TWA 50 ppm STEL 10 mg/m ³ STEL	100 mg/m ³ Ceiling	50 ppm STEL 10 mg/m ³ STEL 25 ppm TWA	50 ppm STEL 10 mg/m ³ STEL 25 ppm TWA	100 mg/m ³ Ceiling	50 ppm STEL 10 mg/m ³ STEL 25 ppm TWA	50 ppm Ceiling 127 mg/m ³ Ceiling	100 mg/m ³ Ceiling
Carbon Black	3.5 mg/m ³ TWA	3 mg/m ³ TWA	3 mg/m ³ TWA	3.5 mg/m ³ TWA	3 mg/m ³ TWA	3 mg/m ³ TWA	3 mg/m ³ TWA	3 mg/m ³ TWA	3.5 mg/m ³ TWA TWA	7 mg/m ³ STEL 3.5 mg/m ³ TWA
Calcium Carbonate	10 mg/m ³ TWA	20 mg/m ³ STEL 10 mg/m ³ TWA 3 mg/m ³ TWA	-	10 mg/m ³ TWA	-	-	-	-	10 mg/m ³ TWA TWA	20 mg/m ³ STEL 10 mg/m ³ TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state Liquid

Color Clear

Odor	Characteristic
Odor threshold	No information available
pH	No data available
Melting point/range °C	No data available
Melting point/range °F	No data available
Boiling point/range °C	261 °C
Boiling point/range °F	501 °F
Flash point °C	257
Flash point °F	494
Flash point method used	Not available
Evaporation rate	No data available
Flammability (Solid, Gas)	No data available
Lower explosion limit	Not available
Upper explosion limit	Not available
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.19756
Solubility	Immiscible
Partition coefficient (n-octanol/water)	No data available
Autoignition temperature °C	Product is not self-igniting
Autoignition temperature °F	Product is not self-igniting
Decomposition temperature °C	No data available
Decomposition temperature °F	No data available
Viscosity	No data available

10. STABILITY AND REACTIVITY

Reactivity	Not available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None known.
Conditions to avoid	None known.

Incompatible materials No further relevant information available.

Hazardous decomposition products None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Dermal. Eyes. Inhalation. Ingestion.

Symptoms Causes irritation to the mucous membranes. Causes eye and skin irritation. Harmful if swallowed.

Delayed and immediate effects as well as chronic effects from short and long-term exposure Sensitization possible through skin contact.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Bisphenol A - Epichlorohydrin polymer	-	-	= 11400 mg/kg (Rat)
Diglycidyl Ethers of Bisphenol A Resins	-	-	-
Modified Silicone Dioxide	-	-	-
Diglycidyl Ether Bisphenol A Epoxy Resin	-	-	-
Castor oil glycidyl ether	-	-	-
Titanium dioxide	-	-	> 10000 mg/kg (Rat)
Quartz (Crystalline Silica)	-	-	-
Methanol	= 22500 ppm (Rat) 8 h = 64000 ppm (Rat) 4 h	= 15800 mg/kg (Rabbit) = 15840 mg/kg (Rabbit)	= 6200 mg/kg (Rat)
Glycidoxypopyl-Trimethoxysilane	> 5.3 mg/L (Rat) 4 h	= 3970 µL/kg (Rabbit)	= 22600 µL/kg (Rat) = 7.01 g/kg (Rat)
Ethylene glycol	-	= 10600 mg/kg (Rat) = 9530 µL/kg (Rabbit)	= 4700 mg/kg (Rat)
Carbon Black	-	> 3 g/kg (Rabbit)	> 15400 mg/kg (Rat)
Calcium Carbonate	-	-	-

ATEmix (dermal) Not available

ATEmix (oral) Not available

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) Not available

ATEmix (inhalation-dust/mist) Not available

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA RTK Carcinogens	NTP
Bisphenol A - Epichlorohydrin polymer	-	-	-	-

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA RTK Carcinogens	NTP
Diglycidyl Ethers of Bisphenol A Resins	-	-	-	-
Modified Silicone Dioxide	-	-	-	-
Diglycidyl Ether Bisphenol A Epoxy Resin	-	-	-	-
Castor oil glycidyl ether	-	-	-	-
Titanium dioxide	A4	Group 2B	Listed	-
Quartz (Crystalline Silica)	A2	Group 1	Listed	Known Carcinogen
Methanol	-	-	-	-
Glycidoxypopyl-Trimethoxysilane	-	-	-	-
Ethylene glycol	A4	-	-	-
Carbon Black	A3	Group 2B	Listed	-
Calcium Carbonate	-	-	-	-

**Canadian Province
carcinogenicity limits**

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Bisphenol A - Epichlorohydrin polymer	-	-	-	-	-	-
Diglycidyl Ethers of Bisphenol A Resins	-	-	-	-	-	-
Modified Silicone Dioxide	-	-	-	-	-	-
Diglycidyl Ether Bisphenol A Epoxy Resin	-	-	-	-	-	-
Castor oil glycidyl ether	-	-	-	-	-	-
Titanium dioxide	-	IARC 2B	ACGIH A4	ACGIH A4	ACGIH A4	-
Quartz (Crystalline Silica)	A2 - Suspected Human Carcinogen	ACGIH A2 IARC 1	ACGIH A2	-	ACGIH A2	C2 carcinogen
Methanol	-	-	-	-	-	-
Glycidoxypopyl-Trimethoxysilane	-	-	-	-	-	-
Ethylene glycol	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Carbon Black	-	IARC 2B	ACGIH A3	ACGIH A4	ACGIH A3	-
Calcium Carbonate	-	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish
Bisphenol A - Epichlorohydrin polymer	-	-
Diglycidyl Ethers of Bisphenol A Resins	-	-
Modified Silicone Dioxide	-	-
Diglycidyl Ether Bisphenol A Epoxy Resin	-	-
Castor oil glycidyl ether	-	-
Titanium dioxide	-	-
Quartz (Crystalline Silica)	-	-

Chemical name	Algae/aquatic plants	Fish
Methanol	-	28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through
Glycidoxypropyl-Trimethoxysilane	-	-
Ethylene glycol	6500 - 13000: 96 h Pseudokirchneriella subcapitata mg/L EC50	41000: 96 h Oncorhynchus mykiss mg/L LC50 14 - 18: 96 h Oncorhynchus mykiss mL/L LC50 static 40761: 96 h Oncorhynchus mykiss mg/L LC50 static 40000 - 60000: 96 h Pimephales promelas mg/L LC50 static 27540: 96 h Lepomis macrochirus mg/L LC50 static 16000: 96 h Poecilia reticulata mg/L LC50 static
Carbon Black	-	-
Calcium Carbonate	-	-

Persistence and degradability No data available.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)
Bisphenol A - Epichlorohydrin polymer 25068-38-6	25068-38-6	-
Diglycidyl Ethers of Bisphenol A Resins 28064-14-4	28064-14-4	-
Modified Silicone Dioxide 67762-90-7	67762-90-7	-
Diglycidyl Ether Bisphenol A Epoxy Resin 25085-99-8	25085-99-8	-
Castor oil glycidyl ether 74398-71-3	74398-71-3	-
Titanium dioxide 13463-67-7	13463-67-7	-
Quartz (Crystalline Silica) 14808-60-7	14808-60-7	-
Methanol 67-56-1	67-56-1	-0.77
Glycidoxypropyl-Trimethoxysilane 2530-83-8	2530-83-8	-
Ethylene glycol 107-21-1	107-21-1	-1.93
Carbon Black 1333-86-4	1333-86-4	-
Calcium Carbonate 1317-65-3	1317-65-3	-

Mobility in soil Not available.

Other adverse effects Slightly hazardous to water (WGK 1) Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs

13. DISPOSAL CONSIDERATIONS

Disposal information	Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations.
Contaminated packaging	Dispose in accordance with local, state and federal regulations.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT

Proper shipping name Not regulated

TDG

Proper shipping name Not regulated

IATA

Proper shipping name Not regulated

IMDG/IMO

Proper shipping name Not regulated

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Bisphenol A - Epichlorohydrin polymer	25068-38-6	-	-	-
Diglycidyl Ethers of Bisphenol A Resins	28064-14-4	-	-	-
Modified Silicone Dioxide	67762-90-7	-	-	-
Diglycidyl Ether Bisphenol A Epoxy Resin	25085-99-8	-	-	-
Castor oil glycidyl ether	74398-71-3	-	-	-
Titanium dioxide	13463-67-7	-	-	-
Quartz (Crystalline Silica)	14808-60-7	-	-	-
Methanol	67-56-1	-	-	-
Glycidoxypropyl-Trimethoxysilane	2530-83-8	-	-	-
Ethylene glycol	107-21-1	-	-	-
Carbon Black	1333-86-4	-	-	-
Calcium Carbonate	1317-65-3	-	-	-

15. REGULATORY INFORMATION

State regulations

U.S. state Right-to-Know regulations

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Bisphenol A - Epichlorohydrin polymer	25068-38-6	-	-	-
Diglycidyl Ethers of Bisphenol A Resins	28064-14-4	-	-	-
Modified Silicone Dioxide	67762-90-7	-	-	-
Diglycidyl Ether Bisphenol A Epoxy Resin	25085-99-8	-	-	-
Castor oil glycidyl ether	74398-71-3	-	-	-

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Titanium dioxide	13463-67-7	X	X	X
Quartz (Crystalline Silica)	14808-60-7	X	X	X
Methanol	67-56-1	X	X	X
Glycidoxypropyl-Trimethoxysilane	2530-83-8	-	-	-
Ethylene glycol	107-21-1	X	X	X
Carbon Black	1333-86-4	X	X	X
Calcium Carbonate	1317-65-3	X	X	X

California Prop. 65

WARNING: This product contains a chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm

Chemical name	CAS-No	California Prop. 65
Bisphenol A - Epichlorohydrin polymer	25068-38-6	-
Diglycidyl Ethers of Bisphenol A Resins	28064-14-4	-
Modified Silicone Dioxide	67762-90-7	-
Diglycidyl Ether Bisphenol A Epoxy Resin	25085-99-8	-
Castor oil glycidyl ether	74398-71-3	-
Titanium dioxide	13463-67-7	Carcinogen
Quartz (Crystalline Silica)	14808-60-7	Carcinogen
Methanol	67-56-1	Developmental
Glycidoxypropyl-Trimethoxysilane	2530-83-8	-
Ethylene glycol	107-21-1	Developmental
Carbon Black	1333-86-4	Carcinogen
Calcium Carbonate	1317-65-3	-

U.S. Federal Regulations

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Bisphenol A - Epichlorohydrin polymer	25068-38-6	-	-
Diglycidyl Ethers of Bisphenol A Resins	28064-14-4	-	-
Modified Silicone Dioxide	67762-90-7	-	-
Diglycidyl Ether Bisphenol A Epoxy Resin	25085-99-8	-	-
Castor oil glycidyl ether	74398-71-3	-	-
Titanium dioxide	13463-67-7	-	-
Quartz (Crystalline Silica)	14808-60-7	-	-
Methanol	67-56-1	5000 lb 2270 kg	1.0 %
Glycidoxypropyl-Trimethoxysilane	2530-83-8	-	-
Ethylene glycol	107-21-1	5000 lb 2270 kg	1.0 %
Carbon Black	1333-86-4	-	-
Calcium Carbonate	1317-65-3	-	-

**US EPA SARA 311/312
hazardous categorization**

Not available

Chemical name	DSL/NDSL	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification
Bisphenol A - Epichlorohydrin polymer	X	X	-
Diglycidyl Ethers of Bisphenol A Resins	X	X	-
Modified Silicone Dioxide	X	X	-
Diglycidyl Ether Bisphenol A Epoxy Resin	X	X	-
Castor oil glycidyl ether	X	X	-
Titanium dioxide	X	X	-
Quartz (Crystalline Silica)	X	X	-
Methanol	X	X	-
Glycidoxypropyl-Trimethoxysilane	X	X	-
Ethylene glycol	X	X	-
Carbon Black	X	X	-
Calcium Carbonate	X	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health	2
Flammability	1
Instability	0

HMIS

Health	2
Flammability	1
Physical hazards	0

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

Prepared by Regulatory Affairs

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Revision note

Key to abbreviations

ACGIH (American Conference of Governmental Industrial Hygienists)
 ATE (Average Toxicity Estimate)
 DSL/NDSL (Domestic Substance List/Non-Domestic Substance List)
 HMIS (Hazardous Materials Identification System)
 IARC (International Agency for Research on Cancer)
 IATA (International Air Transport Association)
 IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)

NFPA (National Fire Protection Association)

NTP (National Toxicology Program)

OEL (Occupational Exposure Level)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

PEL (Permissible Exposure Limit)

TSCA (Toxic Substance Control Act)

USEPA (United States Environmental Protection Agency)

Disclaimer

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

End of Safety Data Sheet