



Safety Data Sheet

Issue date 10-Jul-2018

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Revision Number 3

1. IDENTIFICATION

Product identification

Product identifier Kent® Chem-Weld Ep Automotive Body Panel Repair

Other means of identification P10615

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
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(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
Carcinogenicity	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3

Symbol



Signal word	DANGER
Hazard statements	H302 - Harmful if swallowed H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H335 - May cause respiratory irritation H351 - Suspected of causing cancer H360 - May damage fertility or the unborn child
Precautionary statements	
General	P101 - If medical advice is needed, have product container or label at hand P102 - Keep out of reach of children P103 - Read label before use.
Prevention	P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P261 - Avoid breathing dust/fume/gas/mist/vapors/spray 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 P271 - Use only outdoors or in a well-ventilated area P270 - Do not eat, drink or smoke when using this product
Response	
General	P321 - For Specific treatment see section 4 of this sds P308 + P313 - IF exposed or concerned: Get medical advice/attention
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

Chemical name	CAS-No	Weight %
Ceramic microspheres	66402-68-4	13-30
Bisphenol A - Epichlorohydrin polymer	25068-38-6	13-30
Calcium Carbonate	1317-65-3	13-30
Bisphenol F Epoxy Resin	28064-14-4	5-7
Titanium dioxide	13463-67-7	<1
Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis-	17557-23-2	<1
Dibutyl phthalate	84-74-2	<1
Triethylenediamine	280-57-9	<1
Quartz (Crystalline Silica)	14808-60-7	<1
Modified Diglycidyl Ether	68909-14-8	<1
Methanol	67-56-1	<1
Glycidoxypropyl-Trimethoxysilane	2530-83-8	<1
Ethylene glycol	107-21-1	<1
Ethanol	64-17-5	<1
Carbon Black	1333-86-4	<1
3-(Triethoxysilyl) propylamine	919-30-2	<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 known significant effects or critical hazards.

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

Use an extinguishing agent suitable for the surrounding fire.

media

Unsuitable extinguishing media None known.

Specific hazards In use, may form flammable/explosive vapour-air mixture.

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
Ceramic microspheres	5 mg/m ³ Ceiling 5 mg/m ³ TWA	10 mg/m ³ STEL 5 mg/m ³ TWA 0.02 mg/m ³ TWA 0.1 mg/m ³ TWA	3 mg/m ³ STEL 10 mg/m ³ STEL 1 mg/m ³ TWA 5 mg/m ³ TWA
Bisphenol A - Epichlorohydrin polymer	-	-	-
Calcium Carbonate	15 mg/m ³ TWA 5 mg/m ³ TWA	-	10 mg/m ³ TWA 5 mg/m ³ TWA
Bisphenol F Epoxy Resin	-	-	-
Titanium dioxide	15 mg/m ³ TWA	10 mg/m ³ TWA	2.4 mg/m ³ TWA 0.3 mg/m ³ TWA
Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxy methylene)]bis-	-	-	-
Dibutyl phthalate	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA
Triethylenediamine	-	-	-
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
Modified Diglycidyl Ether	-	-	-
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
Glycidoxypopyl-Trimethoxysilane	-	-	-
Ethylene glycol	-	50 ppm STEL 10 mg/m ³ STEL 25 ppm TWA	-
Ethanol	1000 ppm TWA 1900 mg/m ³ TWA	1000 ppm STEL	1000 ppm TWA 1900 mg/m ³ TWA

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Carbon Black	3.5 mg/m³ TWA	3 mg/m³ TWA	3.5 mg/m³ TWA 0.1 mg/m³ TWA
3-(Triethoxysilyl) propylamine	-	-	-

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	Newfoundland & Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
Ceramic microspheres	10 mg/m³ STEL 5 mg/m³ TWA 0.2 mg/m³ TWA	10 mg/m³ STEL 5 mg/m³ TWA 0.2 mg/m³ TWA 0.02 mg/m³	5 mg/m³ TWA 0.02 mg/m³ TWA 0.1 mg/m³ TWA 10 mg/m³ STEL	10 mg/m³ STEL 5 mg/m³ TWA 0.2 mg/m³ TWA	10 mg/m³ STEL 5 mg/m³ TWA 0.02 mg/m³ TWA 0.1 mg/m³ TWA	10 mg/m³ STEL 5 mg/m³ TWA 0.02 mg/m³ TWA 0.1 mg/m³ TWA	10 mg/m³ STEL 5 mg/m³ TWA 0.02 mg/m³ TWA 0.1 mg/m³ TWA	10 mg/m³ STEL 5 mg/m³ TWA 0.02 mg/m³ TWA 0.1 mg/m³ TWA	10 mg/m³ STEV 0.2 mg/m³ TWA 5 mg/m³ TWA 0.1 mg/m³ TWA	10 mg/m³ STEL 0.6 mg/m³ STEL 5 mg/m³ TWA 0.2 mg/m³ TWA
Bisphenol A - Epichlorohydrin polymer	-	-	-	-	-	-	-	-	-	-
Calcium Carbonate	10 mg/m³ TWA	20 mg/m³ STEL 10 mg/m³ TWA 3 mg/m³ TWA	-	10 mg/m³ TWA	-	-	-	-	10 mg/m³ TWA 0.1 mg/m³ TWA	20 mg/m³ STEL 10 mg/m³ TWA
Bisphenol F Epoxy Resin	-	-	-	-	-	-	-	-	-	-
Titanium dioxide	10 mg/m³ TWA	10 mg/m³ TWA 3 mg/m³ TWA	10 mg/m³ TWA	10 mg/m³ TWA	10 mg/m³ TWA	10 mg/m³ TWA	10 mg/m³ TWA	10 mg/m³ TWA	10 mg/m³ TWA 0.1 mg/m³ TWA	20 mg/m³ STEL 10 mg/m³ TWA
Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxyethylene)]bis-	-	-	-	-	-	-	-	-	-	-

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland and Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
Dibutyl phthalate	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA EV	10 mg/m ³ STEL 5 mg/m ³ TWA
Triethylenediamine	-	-	-	-	-	-	1 ppm TWA 4.6 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 EV	0.05 mg/m ³ TWA
Modified Diglycidyl Ether	-	-	-	-	-	-	-	-	-	-
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 EV 262 mg/m ³ TWA EV	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
Ethanol	1000 ppm TWA 1880 mg/m ³ TWA	1000 ppm STEL	1000 ppm STEL	1000 ppm TWA 1880 mg/m ³ TWA	1000 ppm STEL	1000 ppm STEL	1000 ppm STEL	1000 ppm STEL	1000 ppm TWA EV 1880 mg/m ³ TWA EV	1250 ppm STEL 1000 ppm TWA
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 EV	7 mg/m ³ STEL 3.5 mg/m ³ TWA
3-(Triethoxysilyl) propylamine	-	-	-	-	-	-	-	-	-	-

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	Not available
Boiling point/range °F	Not available

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	1.73928
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:
Ceramic microspheres	-	-	-
Bisphenol A - Epichlorohydrin polymer	-	-	= 11400 mg/kg (Rat)
Calcium Carbonate	-	-	-
Bisphenol F Epoxy Resin	-	-	-
Titanium dioxide	-	-	> 10000 mg/kg (Rat)
Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis (oxymethylene)]bis-	-	-	= 4500 mg/kg (Rat)
Dibutyl phthalate	>= 15.68 mg/L (Rat) 4 h	> 20000 mg/kg (Rabbit)	= 7499 mg/kg (Rat)
Triethylenediamine	-	= 3200 mg/kg (Rabbit)	= 1700 mg/kg (Rat)
Quartz (Crystalline Silica)	-	-	-
Modified Diglycidyl Ether	-	-	-
Methanol	= 22500 ppm (Rat) 8 h = 64000 ppm (Rat) 4 h	= 15800 mg/kg (Rabbit) = 15840 mg/kg (Rabbit)	= 6200 mg/kg (Rat)
Glycidoxypropyl-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)
Ethanol	= 124.7 mg/L (Rat) 4 h	-	= 7060 mg/kg (Rat)
Carbon Black	-	> 3 g/kg (Rabbit)	> 15400 mg/kg (Rat)
3-(Triethoxysilyl) propylamine	> 7.35 mg/L (Rat) 4 h	= 4 mL/kg (Rabbit) = 4290 mg/kg (Rabbit)	= 1780 mg/kg (Rat)

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
Ceramic microspheres	-	-	-	-
Bisphenol A - Epichlorohydrin polymer	-	-	-	-
Calcium Carbonate	-	-	-	-
Bisphenol F Epoxy Resin	-	-	-	-
Titanium dioxide	A4	Group 2B	Listed	-
Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylen e)]bis-	-	-	-	-

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA RTK Carcinogens	NTP
Dibutyl phthalate	-	-	-	-
Triethylenediamine	-	-	-	-
Quartz (Crystalline Silica)	A2	Group 1	Listed	Known Carcinogen
Modified Diglycidyl Ether	-	-	-	-
Methanol	-	-	-	-
Glycidoxypopyl-Trimethoxysilane	-	-	-	-
Ethylene glycol	A4	-	-	-
Ethanol	A3	Group 1	Listed	Known Carcinogen
Carbon Black	A3	Group 2B	Listed	-
3-(Triethoxysilyl) propylamine	-	-	-	-

**Canadian Province
carcinogenicity limits**

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Ceramic microspheres	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Bisphenol A - Epichlorohydrin polymer	-	-	-	-	-	-
Calcium Carbonate	-	-	-	-	-	-
Bisphenol F Epoxy Resin	-	-	-	-	-	-
Titanium dioxide	-	IARC 2B	ACGIH A4	ACGIH A4	ACGIH A4	-
Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis-	-	-	-	-	-	-
Dibutyl phthalate	-	-	-	-	-	-
Triethylenediamine	-	-	-	-	-	-
Quartz (Crystalline Silica)	A2 - Suspected Human Carcinogen	ACGIH A2 IARC 1	ACGIH A2	-	ACGIH A2	C2 carcinogen
Modified Diglycidyl Ether	-	-	-	-	-	-
Methanol	-	-	-	-	-	-
Glycidoxypopyl-Trimethoxysilane	-	-	-	-	-	-
Ethylene glycol	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Ethanol	-	-	ACGIH A3	ACGIH A4	ACGIH A3	-
Carbon Black	-	IARC 2B	ACGIH A3	ACGIH A4	ACGIH A3	-
3-(Triethoxysilyl) propylamine	-	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish
Ceramic microspheres	-	-
Bisphenol A - Epichlorohydrin polymer	-	-
Calcium Carbonate	-	-
Bisphenol F Epoxy Resin	-	-

Chemical name	Algae/aquatic plants	Fish
Titanium dioxide	-	-
Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxy)methylene]bis-	-	-
Dibutyl phthalate	1.2: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 0.4: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static	0.71 - 1.2: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 0.31 - 5.45: 96 h <i>Pimephales promelas</i> mg/L LC50 static 1.24: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 1.38 - 1.74: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 0.42 - 1.28: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 1.24 - 5.3: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static
Triethylenediamine	-	1510 - 1980: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through
Quartz (Crystalline Silica)	-	-
Modified Diglycidyl Ether Methanol	-	-
Glycidoxypopyl-Trimethoxysilane	-	-
Ethylene glycol	6500 - 13000: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	41000: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 14 - 18: 96 h <i>Oncorhynchus mykiss</i> mL/L LC50 static 40761: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 40000 - 60000: 96 h <i>Pimephales promelas</i> mg/L LC50 static 27540: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 16000: 96 h <i>Poecilia reticulata</i> mg/L LC50 static
Ethanol	-	12.0 - 16.0: 96 h <i>Oncorhynchus mykiss</i> mL/L LC50 static 100: 96 h <i>Pimephales promelas</i> mg/L LC50 static 13400 - 15100: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through
Carbon Black	-	-
3-(Triethoxysilyl)propylamine	-	-

Persistence and degradability No data available.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)
Ceramic microspheres 66402-68-4	66402-68-4	-
Bisphenol A - Epichlorohydrin polymer 25068-38-6	25068-38-6	-
Calcium Carbonate 1317-65-3	1317-65-3	-
Bisphenol F Epoxy Resin 28064-14-4	28064-14-4	-
Titanium dioxide 13463-67-7	13463-67-7	-
Oxirane,	17557-23-2	-

Chemical name	CAS-No	Partition coefficient (log Kow)
2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis- 17557-23-2		
Dibutyl phthalate 84-74-2	84-74-2	5.38 25 °C
Triethylenediamine 280-57-9	280-57-9	-
Quartz (Crystalline Silica) 14808-60-7	14808-60-7	-
Modified Diglycidyl Ether 68909-14-8	68909-14-8	-
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
Ethanol 64-17-5	64-17-5	-0.32
Carbon Black 1333-86-4	1333-86-4	-
3-(Triethoxysilyl) propylamine 919-30-2	919-30-2	-

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

ID-No

Not Regulated

TDG

ID-No

Not Regulated

IATA

ID-No

Not Regulated

IMDG/IMO

ID-No

Not Regulated

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Ceramic microspheres	66402-68-4	-	-	-
Bisphenol A - Epichlorohydrin polymer	25068-38-6	-	-	-
Calcium Carbonate	1317-65-3	-	-	-
Bisphenol F Epoxy Resin	28064-14-4	-	-	-
Titanium dioxide	13463-67-7	-	-	-
Oxirane, 2,2`-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylen e)]bis-	17557-23-2	-	-	-
Dibutyl phthalate	84-74-2	X	X	X
Triethylenediamine	280-57-9	-	-	-
Quartz (Crystalline Silica)	14808-60-7	-	-	-
Modified Diglycidyl Ether	68909-14-8	-	-	-
Methanol	67-56-1	-	-	-
Glycidoxypropyl-Trimethoxysilane	2530-83-8	-	-	-
Ethylene glycol	107-21-1	-	-	-
Ethanol	64-17-5	-	-	-
Carbon Black	1333-86-4	-	-	-
3-(Triethoxysilyl) propylamine	919-30-2	-	-	-

Special Precautions

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

15. REGULATORY INFORMATION

State regulations

U.S. state Right-to-Know regulations

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Ceramic microspheres	66402-68-4	-	X	X
Bisphenol A - Epichlorohydrin polymer	25068-38-6	-	-	-
Calcium Carbonate	1317-65-3	X	X	X
Bisphenol F Epoxy Resin	28064-14-4	-	-	-
Titanium dioxide	13463-67-7	X	X	X
Oxirane, 2,2`-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylen e)]bis-	17557-23-2	-	-	-
Dibutyl phthalate	84-74-2	X	X	X
Triethylenediamine	280-57-9	-	-	-
Quartz (Crystalline Silica)	14808-60-7	X	X	X
Modified Diglycidyl Ether	68909-14-8	-	-	-
Methanol	67-56-1	X	X	X
Glycidoxypropyl-Trimethoxysilane	2530-83-8	-	-	-
Ethylene glycol	107-21-1	X	X	X
Ethanol	64-17-5	X	X	X
Carbon Black	1333-86-4	X	X	X

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
3-(Triethoxysilyl) propylamine	919-30-2	-	-	-

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
Ceramic microspheres	66402-68-4	-
Bisphenol A - Epichlorohydrin polymer	25068-38-6	-
Calcium Carbonate	1317-65-3	-
Bisphenol F Epoxy Resin	28064-14-4	-
Titanium dioxide	13463-67-7	Carcinogen
Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis-	17557-23-2	-
Dibutyl phthalate	84-74-2	Developmental Female Reproductive Male Reproductive
Triethylenediamine	280-57-9	-
Quartz (Crystalline Silica)	14808-60-7	Carcinogen
Modified Diglycidyl Ether	68909-14-8	-
Methanol	67-56-1	Developmental
Glycidoxypropyl-Trimethoxysilane	2530-83-8	-
Ethylene glycol	107-21-1	Developmental
Ethanol	64-17-5	Carcinogen Developmental
Carbon Black	1333-86-4	Carcinogen
3-(Triethoxysilyl) propylamine	919-30-2	-

U.S. Federal Regulations

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Ceramic microspheres	66402-68-4	-	1.0 %
Bisphenol A - Epichlorohydrin polymer	25068-38-6	-	-
Calcium Carbonate	1317-65-3	-	-
Bisphenol F Epoxy Resin	28064-14-4	-	-
Titanium dioxide	13463-67-7	-	-
Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis-	17557-23-2	-	-
Dibutyl phthalate	84-74-2	10 lb 4.54 kg	1.0 %
Triethylenediamine	280-57-9	-	-
Quartz (Crystalline Silica)	14808-60-7	-	-
Modified Diglycidyl Ether	68909-14-8	-	-
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 %

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Ethanol	64-17-5	-	-
Carbon Black	1333-86-4	-	-
3-(Triethoxysilyl) propylamine	919-30-2	-	-

**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
Ceramic microspheres	X	X	-
Bisphenol A - Epichlorohydrin polymer	X	X	-
Calcium Carbonate	X	X	-
Bisphenol F Epoxy Resin	X	X	-
Titanium dioxide	X	X	-
Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis (oxymethylene)]bis-	X	X	-
Dibutyl phthalate	X	X	-
Triethylenediamine	X	X	-
Quartz (Crystalline Silica)	X	X	-
Modified Diglycidyl Ether	X	X	-
Methanol	X	X	-
Glycidoxypropyl-Trimethoxysilane	X	X	-
Ethylene glycol	X	X	-
Ethanol	X	X	-
Carbon Black	X	X	-
3-(Triethoxysilyl) propylamine	X	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health	1
Flammability	1
Instability	0

HMIS

Health	1
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).

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Revision note

Key to abbreviations

ACGIH (American Conference of Governmental Industrial Hygienists)
ATE (Average Toxicity Estimate)
DSL/NDL (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