

**FIRE AND EXPLOSION HAZARD DATA**

**Extinguishing media :** Dry chemical or foam water fog. Carbon dioxide.

**Unusual fire and explosion hazards :** Closed containers may burst if exposed to extreme heat or fire.

**Special fire fighting procedures :** Water may be used to cool and protect exposed containers.

Firefighters should use full protective clothing, eye protection, and self-contained breathing apparatus. Self-contained breathing apparatus recommended.

**HEALTH HAZARD DATA**

**Primary route(s) of exposure :** Inhalation, skin contact, eye contact, ingestion.

**Effects of overexposure :**

**Inhalation :** Irritation of respiratory tract. Prolonged inhalation may lead to mucous membrane irritation, drowsiness, dizziness and/or lightheadedness, headache, nausea, gastro-intestinal disturbances, coughing, sneezing, difficulty with speech, apathy, central nervous system depression, anesthetic effect or narcosis, blood abnormalities, kidney damage, pneumoconiosis, loss of consciousness.

**Skin contact :** Irritation of skin. Skin contact may result in dermal absorption of component(s) of this product which may cause apathy.

**Eye contact :** Irritation of eyes. Prolonged or repeated contact can cause conjunctivitis, blurred vision, tearing of eyes, redness of eyes, severe eye irritation or burns.

**Ingestion :** Ingestion may cause drowsiness, dizziness and/or lightheadedness, headache, uncoordination, nausea, vomiting, gastro-intestinal disturbances, severe abdominal pain, apathy, central nervous system depression, respiratory problems, intoxication, liver damage, kidney damage, pulmonary edema, loss of consciousness, acute poisoning, respiratory failure, cardiac failure, brain damage, death.

**Supplemental health information :** Other effects of overexposure may include toxicity to liver, kidney, blood. May be absorbed through skin. Notice - reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Some laboratory tests results have shown ethylene glycol to be an animal teratogen. Contains crystalline silica which is considered a hazard by inhalation. IARC has classified crystalline silica as probably carcinogenic for humans (2a). This classification is based on the findings of laboratory animal studies that were considered sufficient and data from epidemiological studies that were considered limited for carcinogenicity. Crystalline silica is also a known cause of silicosis, a noncancerous lung disease. NTP has classified crystalline silica a reasonably anticipated human carcinogen.

**Medical conditions aggravated by exposure :** Eye, skin, respiratory disorders lung disorders kidney disorders

**FIRST AID PROCEDURES**

**Inhalation :** Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty.

**Skin contact :** Flush from skin with water. Then wash thoroughly with soap and water. Remove contaminated clothing. Wash contaminated clothing before re-use.

**Eye contact :** Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment.

**Ingestion :** If swallowed, obtain medical treatment immediately.

**REACTIVITY DATA**

**Stability :** Stable

**Incompatibility :** Oxidizers, acids, reducing agents, bases. Alkalis

**Conditions to avoid :** Elevated temperatures, contact with oxidizing agent, storage near acids, freezing, open flame.

**Hazardous decomposition products :** Carbon monoxide, carbon dioxide.

**Hazardous polymerization :** Will not occur

**SPILL OR LEAK PROCEDURES**

**Steps to be taken in case material is released or spilled :** Comply with all applicable health and environmental regulations. Eliminate all sources of ignition. Ventilate area. Place collected material in proper container. Complete personal protective equipment must be used during cleanup. Large spills - shut off leak if safe to do so. Dike and contain spill. Pump to storage or salvage vessels. Use absorbent to pick up excess residue. Keep salvageable material and rinse water out of sewers and water courses. Small spills - use absorbent to pick up residue and dispose of properly.

**Waste disposal :** Dispose in accordance with all applicable regulations. Avoid discharge to natural waters.

**SPECIAL PROTECTION INFORMATION**

**Respiratory protection :** Control environmental concentrations below applicable standards. Where respiratory protection is required, use only NIOSH/MSHA approved respirators in accordance with OSHA standard 29 CFR 1910.134.

**Ventilation :** Provide dilution ventilation or local exhaust to prevent build-up of vapors.

**Personal protective equipment :** Eye wash, safety shower, safety glasses or goggles. Impervious gloves, impervious clothing.

**SPECIAL PRECAUTIONS**

**Handling and storage :** Store below 100f(38c). Keep away from heat, sparks and open flame. Keep from freezing. Do not store in aluminum containers. Keep container tightly closed in a well-ventilated area.

**Other precautions :** Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes, and breathing of vapors. Wash hands thoroughly after handling, especially before eating or smoking. Keep containers tightly closed and upright when not in use. Avoid conditions which result in formation of inhalable particles such as spraying or abrading (sanding) painted surfaces. If such conditions cannot be avoided, use appropriate respiratory protection as directed under special protection information. Empty containers may contain hazardous residues.



Product Code	Description	Wt./Gal.	VOC gr./ltr.	% Volatile by Volume	Flash Point	Boiling Range	HMIS	DOT, proper shipping name
3210-1200	acrylic gripper all purpose stain killer primer-sealer - white	11.21	95.97	51.04	none	212-453	*310	paint ** protect from freezing **

### Ingredients

### Product Codes with % by Weight

	3210-1200
1,2-ethanediol	1-5
limestone	5-10
quartz	5-10
ethanol, 2-(2-butoxyethoxy)-	1-5
titanium oxide	10-20
quartz	.1-1.0
silica	1-5
water	30-40
2-propenoic acid, polymer with ethenylbenzene and (1-methylethenyl)benzene, ammonium salt	5-10
2-propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene and 2-ethylhexyl 2-propenoate	5-10
2-ethylhexyl ester, acrylic acid polymer with styrene	10-20

### Chemical Hazard Data

CHEMICAL NAME	COMMON NAME	CAS. NO.	ACGIH-TLV		OSHA-PEL				S.R. STD.	S	S	C	N	I	O
			8-HOUR TWA	STEL	8-HOUR TWA	STEL	C	S							
1,2-ethanediol	ethylene glycol	107-21-1	c 50 ppm	ne	ne	ne	50ppm	ne	ne	n	y	y	n	n	n
limestone	limestone	1317-65-3	10 mg/m <sup>3</sup>	ne	5 mg/m <sup>3</sup>	ne	ne	ne	ne	n	n	n	n	n	n
quartz	quartz	14808-60-7	0.1 mg/m <sup>3</sup>	ne	0.1 mg/m <sup>3</sup>	ne	ne	ne	ne	n	n	n	y	y	n
ethanol, 2-(2-butoxyethoxy)-	diethylene glycol monobutyl ether	112-34-5	ne	ne	ne	ne	ne	ne	ne	n	y	n	n	n	n
titanium oxide	titanium dioxide	13463-67-7	10 mg/m <sup>3</sup>	ne	10 mg/m <sup>3</sup>	ne	ne	ne	ne	n	n	n	n	n	n
quartz	quartz	14808-60-7	0.1 mg/m <sup>3</sup>	ne	0.1 mg/m <sup>3</sup>	ne	ne	ne	ne	n	n	n	y	y	n
silica	amorphous silica	7631-86-9	10 mg/m <sup>3</sup>	ne	6 mg/m <sup>3</sup>	ne	ne	ne	ne	n	n	n	n	n	n
water	water	7732-18-5	ne	ne	ne	ne	ne	ne	ne	n	n	n	n	n	n
2-propenoic acid, polymer with ethenylbenzene and (1-methylethenyl)benzene, ammonium salt	acrylic copolymer	89678-90-0	ne	ne	ne	ne	ne	ne	ne	n	n	n	n	n	n
2-propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene and 2-ethylhexyl 2-propenoate	styrene copolymer	25750-06-5	ne	ne	ne	ne	ne	ne	ne	n	n	n	n	n	n
2-ethylhexyl ester, acrylic acid polymer with styrene	styrene copolymer	25153-46-2	ne	ne	ne	ne	ne	ne	ne	n	n	n	n	n	n

#### Footnotes:

C = Ceiling - Concentration that should not be exceeded, even instantaneously.  
 S = Skin - Additional exposure, over and above airborne exposure, may result from skin absorption.  
 n/a = not applicable  
 ne = not established  
 S.R.STD. = Supplier Recommended Standard

ppm = parts per million  
 mg/m<sup>3</sup> = milligrams per cubic meter  
 S2 = Sara Section 302 EHS  
 S3 = Sara Section 313 Chemical  
 CC = CERCLA Chemical  
 Carcinogenicity Listed By:  
 N = NTP, I = IARC, O = OSHA  
 y = yes, n = no

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