

## HAZARDS IDENTIFICATION

(ANSI Section 3)

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

### Effects of overexposure :

**Inhalation :** Irritation of respiratory tract, lungs. Prolonged inhalation may lead to mucous membrane irritation, drowsiness, dizziness and/or lightheadedness, headache, nausea, coughing, central nervous system depression, difficulty of breathing, severe lung irritation or damage, kidney damage, pneumoconiosis.

**Skin contact :** Irritation of skin. Prolonged or repeated contact can cause dermatitis, defatting. Possible sensitization to skin.

**Eye contact :** Irritation of eyes. Prolonged or repeated contact can cause conjunctivitis, tearing of eyes, redness of eyes.

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

**Medical conditions aggravated by exposure :** Eye, skin, respiratory disorders, lung disorders, asthma-like conditions, kidney disorders, respiratory disorders.

## FIRST-AID MEASURES

(ANSI Section 4)

**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. Remove to fresh air if inhalation causes eye watering, headaches, dizziness, or other discomfort.

**Skin contact :** Wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin. Repeated applications may be needed. 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.

## FIRE-FIGHTING MEASURES

(ANSI Section 5)

**Fire extinguishing media :** Dry chemical or foam water fog. Carbon dioxide. Closed containers may burst if exposed to extreme heat or fire. In closed tanks, water or foam may cause frothing or eruption.

**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.

**Hazardous decomposition or combustion products :** Carbon monoxide, carbon dioxide. Oxides of calcium.

## ACCIDENTAL RELEASE MEASURES

(ANSI Section 6)

**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. Spills may be collected with absorbent materials. Evacuate all unnecessary personnel. Place collected material in proper container. Small spills - use absorbent to pick up residue and dispose of properly.

## HANDLING AND STORAGE

(ANSI Section 7)

**Handling and storage :** Store below 100f (38c). Keep away from heat, sparks and open flame. Keep from freezing.

**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 exposure controls/personal protection.

## EXPOSURE CONTROLS/PERSONAL PROTECTION

(ANSI Section 8)

**Respiratory protection :** Control environmental concentrations below applicable exposure standards when using this material. When respiratory protection is determined to be necessary, use a NIOSH/MSHA (Canadian z94.4) Approved elastomeric sealing- surface facepiece respirator outfitted with organic vapor cartridges and paint spray (dust/mist) prefilters. Determine the proper level of protection by conducting appropriate air monitoring. Consult 29CFR 1910.134 For selection of respirators (Canadian z94.4).

**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.

## STABILITY AND REACTIVITY

(ANSI Section 10)

**Under normal conditions :** Stable see section 5 fire fighting measures

**Materials to avoid :** Oxidizers, acids, ammonium salts, hydrogen fluoride. Styrene monomer.

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

**Hazardous polymerization :** Will not occur

## TOXICOLOGICAL INFORMATION

(ANSI Section 11)

**Supplemental health information :** No additional effects are anticipated

**Carcinogenicity :** Contains crystalline silica which is considered a hazard by inhalation. IARC has classified crystalline silica as carcinogenic to humans (group 1). Crystalline silica is also a known cause of silicosis, a noncancerous lung disease. The national toxicology program (NTP) has classified crystalline silica as a known human carcinogen. In a lifetime inhalation study, exposure to 250 mg/m<sup>3</sup> titanium dioxide resulted in the development of lung tumors in rats. These tumors occurred only at dust levels that overwhelmed the animals' lung clearance mechanisms and were different from common human lung tumors in both type and location. The relevance of these findings to humans is unknown but questionable. The international agency for research on cancer (IARC) has classified titanium dioxide as possibly carcinogenic to humans (group 2b) based on inadequate evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

**Reproductive effects :** No reproductive effects are anticipated

**Mutagenicity :** No mutagenic effects are anticipated

**Teratogenicity :** Some laboratory test results have shown ethylene glycol to be an animal teratogen. However, an expert panel convened by the national toxicology program's center for the evaluation of risks to human reproduction (cerhr) conducted a review of the scientific literature and concluded that ethylene glycol does not present a significant concern with respect to developmental and reproductive toxicity in humans.

## ECOLOGICAL INFORMATION

(ANSI Section 12)

No ecological testing has been done by ICI paints on this product as a whole.

**DISPOSAL CONSIDERATIONS**

**(ANSI Section 13)**

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

**REGULATORY INFORMATION**

**(ANSI Section 15)**

As of the date of this MSDS, all of the components in this product are listed (or are otherwise exempt from listing) on the TSCA inventory. This product has been classified in accordance with the hazard criteria of the CPR (controlled products regulations) and the MSDS contains all the information required by the CPR.

**Physical Data**

**(ANSI Sections 1, 9, and 14)**

Product Code	Description	Wt. / Gal.	VOC gr. / ltr.	% Volatile by Volume	Flash Point	Boiling Range	HMIS	DOT, proper shipping name
1412-0100	ultra-hide interior latex eggshell wall & trim enamel, white	10.04	135.90	69.17	none	212-400	*310	paint ** protect from freezing **
1412-0110	ultra-hide interior latex eggshell wall & trim enamel - white tint base	10.06	135.71	69.03	none	212-400	*310	paint ** protect from freezing **
1412-0120	ultra-hide interior latex eggshell pure brilliant white	10.06	135.71	69.03	none	212-400	*310	paint ** protect from freezing **
1412-0300	ultra-hide interior latex eggshell wall & trim enamel - intermediate tint base	10.26	70.76	67.34	none	212-501	310	paint ** protect from freezing **
1412-0400	ultra-hide interior latex eggshell wall & trim enamel - deep tint base	9.61	75.10	69.33	none	212-501	310	paint ** protect from freezing **
1412-0500	ultra-hide interior latex eggshell wall & trim enamel - accent tint base	9.73	63.99	66.72	none	212-501	210	paint ** protect from freezing **
1412-1000	ultra-hide interior latex eggshell wall & trim enamel - white-high hiding	10.08	135.53	68.97	none	212-400	*310	paint ** protect from freezing **
1412-1010	ultra-hide latex eggshell interior wall & trim enamel, swiss coffee	10.08	135.31	68.96	none	212-400	*310	paint ** protect from freezing **
1412-1020	ultra-hide interior latex eggshell wall & trim enamel - antique white	10.08	135.53	68.97	none	212-400	*310	paint ** protect from freezing **
1412-1070	ultra-hide latex eggshell interior wall & trim enamel - soft off white	10.18	138.89	68.13	none	212-400	*210	paint ** protect from freezing **
1412-1100	ultra-hide latex eggshell interior wall & trim enamel - white whisper	10.08	135.41	68.96	none	212-400	*310	paint ** protect from freezing **
1412-1130	ultra-hide interior latex eggshell wall & trim enamel - bone white	10.08	135.53	68.97	none	212-400	*310	paint ** protect from freezing **

**Ingredients**

**Product Codes with % by Weight (ANSI Section 2)**

Chemical Name	Common Name	CAS. No.	1412-0100	1412-0110	1412-0120	1412-0300	1412-0400	1412-0500	1412-1000	1412-1010	1412-1020	1412-1070	1412-1100	1412-1130
1,2-ethanediol	ethylene glycol	107-21-1	1-5	1-5	1-5				1-5	1-5	1-5	1-5	1-5	1-5
limestone	limestone	1317-65-3						5-10						
kaolin	clay	1332-58-7	1-5	1-5	1-5				1-5	1-5	1-5	1-5	1-5	1-5
titanium oxide	titanium dioxide	13463-67-7	10-20	10-20	10-20	10-20	1-5		10-20	10-20	10-20	10-20	10-20	10-20
quartz	quartz	14808-60-7						10-20						
2-propenoic acid, butyl ester, polymer with ethenyl acetate	vinyl acrylic latex	25067-01-0	10-20	10-20	10-20	10-20	10-20		10-20	10-20	10-20	10-20	10-20	10-20
propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol	texanol	25265-77-4	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5
2-propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate	acrylic polymer	25852-37-3						20-30						
nepheline syenite	feldspar-type minerals	37244-96-5				10-20	10-20							
kieselguhr	diatomaceous earth, uncalcined	61790-53-2	1-5	1-5	1-5				1-5	1-5	1-5	1-5	1-5	1-5
water	water	7732-18-5	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60

**Chemical Hazard Data**

**(ANSI Sections 2, 8, 11, and 15)**

Common Name	CAS. No.	ACGIH-TLV					OSHA-PEL				S.R. Std.	S2	S3	CC						
		8-Hour TWA	STEL	C	S	8-Hour TWA	STEL	C	S	H					M	N	I	O		
ethylene glycol	107-21-1	not est.	not est.	100 mg/m3	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	y	y	y	n	n	n	n	
limestone	1317-65-3	10 mg/m3	not est.	not est.	not est.	5 mg/m3	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n	
clay	1332-58-7	2 mg/m3	not est.	not est.	not est.	5 mg/m3	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n	
titanium dioxide	13463-67-7	10 mg/m3	not est.	not est.	not est.	10 mg/m3	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	y	y	n	
quartz	14808-60-7	.025 mg/m3	not est.	not est.	not est.	0.1 mg/m3	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	y	y	n	
vinyl acrylic latex	25067-01-0	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	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  
not est.=not established  
CC=CERCLA Chemical

ppm=parts per million  
mg/m3=milligrams per cubic meter  
Sup Conf=Supplier Confidential

S2=Sara Section 302 EHS  
S3=Sara Section 313 Chemical  
S.R. Std.=Supplier Recommended Standard

H=Hazardous Air Pollutant, M=Marine Pollutant  
P=Pollutant, S=Severe Pollutant  
Carcinogenicity Listed By:  
N=NTP, I=IARC, O=OSHA, y=yes, n=no

### Chemical Hazard Data (Continued) (ANSI Sections 2, 8, 11, and 15)

Common Name	CAS. No.	ACGIH-TLV				OSHA-PEL				S.R. Std.	S2	S3	CC	H	M	N	I	O	
		8-Hour TWA	STEL	C	S	8-Hour TWA	STEL	C	S										
texanol	25265-77-4	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n	n
feldspar-type minerals	37244-96-5	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n	n
diatomaceous earth, uncalcined	61790-53-2	not est.	not est.	not est.	not est.	6 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n	n

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P=Pollutant, S=Severe Pollutant  
Carcinogenicity Listed By:  
N=NTP, I=IARC, O=OSHA, y=yes, n=no