

HAZARDS IDENTIFICATION

(ANSI Section 3)

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, headache, nausea, coughing, central nervous system depression, difficulty of breathing, severe lung irritation or damage.

Skin contact : Irritation of skin. Prolonged or repeated contact can cause defatting, severe skin irritation.

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

Ingestion : Ingestion may cause mouth and throat irritation, drowsiness, headache, nausea, vomiting, diarrhea, gastro-intestinal disturbances, abdominal pain, central nervous system depression, intoxication, kidney damage, convulsions, loss of consciousness.

Medical conditions aggravated by exposure : Eye, skin, respiratory 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 : 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.

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. Self-contained breathing apparatus recommended.

Hazardous decomposition or combustion products : Carbon monoxide, carbon dioxide, acrid fumes, monomer vapors, styrene. Acrylic monomers 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 29CFR1910.134 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, face shield.

STABILITY AND REACTIVITY

(ANSI Section 10)

Under normal conditions : Stable see section 5 fire fighting measures

Materials to avoid : Oxidizers, acids, bases, hydroxyl containing compounds. Chlorinated rubber

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 : Contains a chemical that may be absorbed through skin. Other effects of overexposure may include toxicity to liver, kidney, reproductive system.

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.

Reproductive effects : A study conducted by NTP, using a continuous breeding protocol, demonstrated that diethylene glycol in drinking water at a concentration of 3.5% (6.1 G/kg/day) resulted in decreased fertility and reproductive performance in mice. These effects were not seen in the lower dose levels evaluated. Since the exposure resulting from incidental contact is likely to be lower by several degrees of magnitude and the route of exposure used in this study does not reflect a likely route from occupational or consumer use the significance of these findings to humans is uncertain.

Mutagenicity : No mutagenic effects are anticipated

Teratogenicity : No teratogenic effects are anticipated

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
1403-0100	dulux ultra interior acrylic eggshell- white	11.09	120.00	61.41	none	100-477	*110	paint ** protect from freezing **
1403-0110	dulux ultra interior acrylic eggshell white tint base	10.98	119.47	61.72	none	100-477	*210	paint ** protect from freezing **
1403-0120	dulux ultra acrylic eggshell interior wall & trim enamel, pure brilliant white	10.98	119.47	61.72	none	100-477	*210	paint ** protect from freezing **
1403-0300	dulux ultra interior acrylic eggshell wall & trim enamel, intermediate tint base	10.26	65.57	66.96	none	100-105	110	paint ** protect from freezing **
1403-0400	dulux ultra interior acrylic eggshell wall & trim enamel, deep tint base	9.62	69.60	68.98	none	100-477	110	paint ** protect from freezing **
1403-0500	dulux ultra interior acrylic eggshell wall & trim enamel, accent base	9.73	55.72	66.31	none	212-477	*110	paint ** protect from freezing **
1403-1000	dulux ultra acrylic interior eggshell wall& trim enamel, white-high hiding	11.09	119.73	61.37	none	100-477	*110	paint ** protect from freezing **
1403-1020	dulux ultra interior acrylic eggshell antique white	11.09	118.88	61.41	none	100-477	*210	paint ** protect from freezing **
1403-1050	dulux ultra interior acrylic eggshell cielo blanco	11.09	116.69	61.41	none	100-477	*210	paint ** protect from freezing **

Ingredients

Product Codes with % by Weight (ANSI Section 2)

Chemical Name	Common Name	CAS. No.	1403-0100	1403-0110	1403-0120	1403-0300	1403-0400	1403-0500	1403-1000	1403-1020	1403-1050
ethanol, 2,2'-oxybis-	diethylene glycol	111-46-6	1-5	1-5	1-5				1-5	1-5	1-5
limestone	limestone	1317-65-3						5-10			
titanium oxide	titanium dioxide	13463-67-7	10-20	10-20	10-20	5-10	1-5		10-20	10-20	10-20
quartz	quartz	14808-60-7						10-20			
aluminum hydroxide	aluminum hydroxide	21645-51-2	1-5	1-5	1-5	1-5			1-5	1-5	1-5
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
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
nepheline syenite	feldspar-type minerals	37244-96-5	5-10	5-10	5-10	10-20	10-20		5-10	5-10	5-10
silica	amorphous silica	7631-86-9	1-5	1-5	1-5	1-5			1-5	1-5	1-5
water	water	7732-18-5	40-50	40-50	40-50	50-60	50-60	50-60	40-50	40-50	40-50
acrylic resin	acrylic resin	Sup. Conf.						20-30			

Chemical Hazard Data

(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										
diethylene glycol	111-46-6	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
limestone	1317-65-3	10 mg/m3	not est.	not est.	not est.	5 mg/m3	not est.	not est.	not est.	not est.	n	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.	n	n	n	n	n	n	n	n	n
quartz	14808-60-7	.05 mg/m3	not est.	not est.	not est.	0.1 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	y	y	n	n
aluminum hydroxide	21645-51-2	10 mg/m3	not est.	not est.	not est.	5 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n	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.	n	n	n	n	n	n	n	n	n
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	5 mg/m3	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
amorphous silica	7631-86-9	10 mg/m3	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

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