



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, dizziness and/or lightheadedness, headache, uncoordination, nausea, coughing, central nervous system depression, 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.
Ingestion : Ingestion may cause mouth and throat irritation, drowsiness, dizziness and/or lightheadedness, headache, uncoordination, nausea, vomiting, diarrhea, gastro-intestinal disturbances, severe abdominal pain, abdominal pain, apathy, central nervous system depression, respiratory problems, intoxication, difficulty of breathing, abnormal blood pressure, liver damage, kidney damage, pulmonary edema, convulsions, loss of consciousness, cyanosis, acute poisoning, respiratory failure, cardiac failure, brain damage.
Medical conditions aggravated by exposure : Eye, skin, respiratory disorders, lung disorders, kidney 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. Dispose of contaminated leather items, such as shoes and belts.
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.

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. Complete personal protective equipment must be used during cleanup. 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. Empty containers may contain hazardous residues. Ground equipment when transferring to prevent accumulation of static charge.

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, nitric acid, hydroxyl containing compounds. Styrene monomer.
Conditions to avoid : Elevated temperatures, contact with oxidizing agent, freezing, sparks, open flame, ignition sources.
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, central nervous system, reproductive system.
Carcinogenicity : In a lifetime inhalation study, exposure to 250 mg/m3 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.
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 : 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 (cehr) 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.

The information contained herein is based on data available at the time of preparation of this data sheet which ICI Paints believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. ICI Paints shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and the users of this material. Complies with OSHA hazard communication standard 29CFR1910.1200.

ECOLOGICAL INFORMATION

(ANSI Section 12)

REGULATORY INFORMATION

(ANSI Section 15)

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

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.

DISPOSAL CONSIDERATIONS

(ANSI Section 13)

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

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 |
|--------------|--|------------|----------------|----------------------|-------------|---------------|------|-----------------------------------|
| 1434-0100 | ultra-wall latex low lustre interior wall & trim enamel, white | 10.04 | 141.17 | 68.47 | none | 212-400 | *310 | paint ** protect from freezing ** |
| 1434-0110 | ultra-wall latex low lustre interior wall & trim enamel - white tint base | 10.04 | 141.29 | 68.51 | none | 212-400 | *310 | paint ** protect from freezing ** |
| 1434-0300 | ultra-wall latex low lustre interior wall & trim enamel - intermediate tint base | 9.51 | 141.65 | 70.25 | none | 212-501 | *310 | paint ** protect from freezing ** |
| 1434-0400 | ultra-wall latex low lustre interior wall & trim enamel - deep tint base | 9.05 | 137.33 | 71.43 | none | 212-501 | *310 | paint ** protect from freezing ** |
| 1434-1000 | ultra-wall latex low lustre interior wall & trim enamel - white-high hiding | 10.03 | 142.12 | 69.03 | none | 212-400 | *210 | paint ** protect from freezing ** |
| 1434-1010 | ultra-wall latex low lustre interior wall & trim enamel, swiss coffee | 9.96 | 139.49 | 68.42 | none | 212-400 | *210 | paint ** protect from freezing ** |
| 1434-1020 | ultra-wall latex low lustre interior wall & trim enamel - antique white | 9.96 | 139.73 | 68.45 | none | 212-400 | *210 | paint ** protect from freezing ** |
| 1434-1050 | ultra-wall latex low lustre interior wall & trim enamel - cielo blanco | 9.91 | 139.97 | 68.21 | none | 212-400 | *210 | paint ** protect from freezing ** |
| 1434-1070 | ultra-wall latex low lustre interior wall & trim enamel - soft off white | 9.96 | 139.49 | 68.42 | none | 212-400 | *210 | paint ** protect from freezing ** |

Ingredients

Product Codes with % by Weight (ANSI Section 2)

| Chemical Name | Common Name | CAS. No. | 1434-0100 | 1434-0110 | 1434-0300 | 1434-0400 | 1434-1000 | 1434-1010 | 1434-1020 | 1434-1050 | 1434-1070 |
|---|---------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 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 |
| ethanol, 2,2'-oxybis- | diethylene glycol | 111-46-6 | 1-5 | 1-5 | 1-5 | 1-5 | 1-5 | 1-5 | 1-5 | 1-5 | 1-5 |
| kaolin | clay | 1332-58-7 | 1-5 | 1-5 | 5-10 | 5-10 | 1-5 | 5-10 | 5-10 | 5-10 | 5-10 |
| titanium oxide | titanium dioxide | 13463-67-7 | 10-20 | 10-20 | 5-10 | 1-5 | 10-20 | 10-20 | 10-20 | 10-20 | 10-20 |
| 2-propanoic acid, butyl ester, polymer with ethenyl acetate | vinyl acrylic latex | 25067-01-0 | 10-20 | 10-20 | 20-30 | 20-30 | 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 |
| water | water | 7732-18-5 | 50-60 | 50-60 | 50-60 | 60-70 | 50-60 | 50-60 | 50-60 | 50-60 | 50-60 |

Chemical Hazard Data

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

| Common Name | CAS. No. | 8-Hour TWA | ACGIH-TLV | | OSHA-PEL | | | S.R. Std. | S2 | S3 | CC | H | M | N | I | O |
|---------------------|------------|----------------------|-----------|-----------------------|------------|----------|----------|-----------|----|----|----|---|---|---|---|---|
| | | | STEL | C | 8-Hour TWA | STEL | C | | | | | | | | | |
| ethylene glycol | 107-21-1 | not est. | not est. | 100 mg/m ³ | not est. | not est. | not est. | not est. | n | y | y | n | n | n | n | n |
| diethylene glycol | 111-46-6 | not est. | not est. | not est. | not est. | not est. | not est. | not est. | n | n | n | n | n | n | n | n |
| clay | 1332-58-7 | 2 mg/m ³ | not est. | 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/m ³ | not est. | not est. | not est. | not est. | not est. | not est. | 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. | 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. | 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