

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, chest pain, coughing, difficulty of breathing, pneumoconiosis.

Skin contact : Irritation of skin.

Eye contact : Irritation of eyes.

Ingestion : Ingestion may cause mouth and throat irritation, gastro-intestinal disturbances.

Medical conditions aggravated by exposure : Eye, skin, 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 closed containers may burst if exposed to extreme heat or fire.

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. Sodium oxide.

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. Ventilate area. Place collected material in proper container.

HANDLING AND STORAGE (ANSI Section 7)

Handling and storage : Store below 100f (38c). 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.

STABILITY AND REACTIVITY (ANSI Section 10)

Under normal conditions : Stable see section 5 fire fighting measures

Materials to avoid : Oxidizers, acids, bases, hydrogen fluoride.

Conditions to avoid : Freezing.

Hazardous polymerization : Will not occur

TOXICOLOGICAL INFORMATION (ANSI Section 11)

Supplemental health information : No additional effects are anticipated

Carcinogenicity : Inhalation of non-asbestiform cosmetic grade talc for 2 years at 6 and 18 mg/m³ produced clear evidence of carcinogenicity in female rats (lung and adrenal tumors) and some evidence of carcinogenicity in male rats (adrenal tumors). No evidence of carcinogenicity was demonstrated in male and female mice exposed under the same conditions. Microscopic examination of the lungs of rats and mice exposed to talc revealed additional exposure related effects primarily associated with the inflammatory response.

Reproductive effects : No reproductive effects are anticipated

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.

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 |
|--------------|--|------------|----------------|----------------------|-------------|---------------|------|-----------------------------------|
| 3290-1000 | professional finishes, athletic field marking paint, white | 10.89 | 31.87 | 75.84 | none | 212-212 | 110 | paint ** protect from freezing ** |

Ingredients

Product Codes with % by Weight (ANSI Section 2)

| Chemical Name | Common Name | CAS. No. | 3290-1000 |
|---|--------------------------------|------------|-----------|
| silicic acid, aluminum sodium salt | sodium aluminosilicate | 1344-00-9 | 1-5 |
| titanium oxide | titanium dioxide | 13463-67-7 | 5-10 |
| talc | talc | 14807-96-6 | 5-10 |
| 2-propenoic acid, butyl ester, polymer with ethenyl acetate | vinyl acrylic latex | 25067-01-0 | 5-10 |
| kieselguhr | diatomaceous earth, uncalcined | 61790-53-2 | 1-5 |
| ceramic materials and wares, chemicals | calcined kaolin clay | 66402-68-4 | 20-30 |
| water | water | 7732-18-5 | 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 | H | M | N | I | O | |
|--------------------------------|------------|------------|----------|----------|----------|------------|----------|----------|----------|-----------|----|----|----|---|---|---|---|---|---|
| | | 8-Hour TWA | STEL | C | S | 8-Hour TWA | STEL | C | S | | | | | | | | | | |
| sodium aluminosilicate | 1344-00-9 | 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 |
| talc | 14807-96-6 | 2 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 |
| 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 |
| diatomaceous earth, uncalcined | 61790-53-2 | 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 |
| calcined kaolin clay | 66402-68-4 | 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 |

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