

MATERIAL SAFETY DATA SHEET

SHEELD - Waterborne Acrylic Heat
Reflective Roof Coating
Date Printed: 4/24/2014
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PRODUCT NAME: SHEELD - Waterborne Acrylic Heat
Reflective Roof Coating
PRODUCT CODE: 9944S - WHITE

HMIS CODES: H F R P
1*1 0

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: ELLIS PAINT CO.
ADDRESS : 3150 E. PICO BLVD.
LOS ANGELES, CA 90023-3683
EMERGENCY PHONE (CHEMTREC) : (800) 424-9300 DATE PRINTED : 4/24/2014
INFORMATION PHONE : (323) 261-8114 NAME OF PREPARER :

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mmHG	@TEMP (°F)
SILICA, SILICONE DIOXIDE OSHA PEL: 20 MPPCF, ACGIH TLV: 20 MPPCF	7631-86-9	NA	NA
TITANIUM DIOXIDE (as total nuisance dust) OSHA PEL: 10 ppm, ACGIH TLV: 10 mg/m3	13463-67-7	NA	NA
TRIME-1,3-PENTANEDIOL, MONOISOBUTYRATE OSHA PEL: NE, ACGIH TLV: NE	25265-77-4	.01	68
OXIRANE, POLYALKYLENE GLYCOL	9038-95-3	<1	68
CRYSTALLINE SILICA, QUARTZ ACGIH TWA: 0.025 mg/m3	14808-60-7	NA	NA

No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE (Deg°F): 471 DENSITY: 11.35 lb/gl
VAPOR DENSITY: HEAVIER THAN AIR SPECIFIC GRAVITY (H2O=1): 1.36
COATING V.O.C.: 0.4 lb/gl MATERIAL V.O.C.: 0.16 lb/gl
COATING V.O.C.: 48 g/l MATERIAL V.O.C.: 19 g/l
SOLUBILITY IN WATER: Soluble EVAPORATION RATE: SLOWER THAN ETHER
APPEARANCE AND ODOR: White liquid with mild odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Deg°F): >200 METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY % VOLUME- LOWER: 0 UPPER: 4.2

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

Do not enter fire area without proper protection. Fight fire from safe distance location. Heat may build pressure closed containers, spreading fire, increasing risk of burns. Notify authorities if liquid enters sewer/public waters.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Under fire conditions, hazardous fumes may be present. Fire media run-off can

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damage the environment. Dike and collect media used to fight fire.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID

None known

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Thermal decomposition may yield carbon dioxide and/or carbon monoxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May result in irritation of the nose, throat and respiratory tract.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Causes eye irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin absorption: May cause irritation.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Maybe harmful if swallowed.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute: May cause eye, skin and respiratory tract irritation.

Chronic: Prolonged or repeated exposure may cause skin sensitization, allergic reaction and dermatitis.

CARCINOGENICITY: NTP CARCINOGEN: Yes IARC MONOGRAPHS: Yes OSHA REGULATED: No

This material contains crystalline silica, which has been classified as a known carcinogen for humans (1) by IARC and a probable carcinogen by NTP. Crystalline silica is also a known cause of silicosis, a non-cancerous lung disease caused by excessive exposure to crystalline silica.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Pre-existing eye, skin and respiratory disorders may be aggravated.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. SPLASH (EYES): FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SPLASH (SKIN): WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION IMMEDIATELY.

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===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

PROVIDE VENTILATION. LARGE SPILLS MAY BE SCOOPED UP. SMALL SPILLS MAY BE PICKED UP WITH ABSORBENT MATERIALS.

WASTE DISPOSAL METHOD

Place in tightly closed containers and dispose of in accordance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store away from heat, sparks and open flames. Keep containers tightly closed when not in use. Use with adequate ventilation.

OTHER PRECAUTIONS

Do not take internally. Avoid prolonged contact. Ground equipment to prevent accumulation of static charge.

===== SECTION VIII - CONTROL MEASURES =====

VENTILATION

Adequate volume and pattern to keep air contaminant concentration below current applicable OSHA or ACGIH TLV limits.

RESPIRATORY PROTECTION

Provide exhaust ventilation to keep the airborne concentrations of vapors below their respective threshold limit value. If workplace exposure limit(s) of product or any component is exceeded, a NIOSH-approved respirator is advised in absence of proper environmental control.

PROTECTIVE GLOVES

Recommended to prevent skin irritation in hypersensitive individuals.

EYE PROTECTION

Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eye bath and safety shower

WORK/HYGIENIC PRACTICES

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include; provide adequate ventilation in storage areas. Use sealed systems as far as possible. Adequate explosion-proof ventilation to control airborne concentration below the exposure guidelines/limits.

===== SECTION IX - TRANSPORT INFORMATION =====

DOT (GROUND)

Not regulated

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AIR

Not regulated

===== SECTION X - REGULATORY INFORMATION =====

CALIFORNIA PROPOSITION 65

This product contains a chemical known to the State of California to cause cancer.

Contains: Silica, Crystalline - Titanium Dioxide (airborne, unbound particles of respirable size) -

===== SECTION XI - DISCLAIMER =====

The information contained herein is based on the data available to us and is believed to be correct. However, ELLIS PAINT CO. makes no warranty expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. ELLIS PAINT CO. assumes no responsibility for injury from the use of the product described herein.