



Safety Data Sheet [SDS]



EFF-REDUCER

Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

1. Substance/ Preparation and Company Identification

Name of the Product: EFF-Reducer
Other Means of Identification: Low viscosity fluid
Recommended use: Premium bonder/primer for paints or acrylic overlay systems
Supplier Information:
Company: Preferred Deck Systems
 7534 W. Madison St.
 Tolleson, AZ 85353

Company Phone Number: 623.474.2210
FAX: 623.474.2251
Emergency Phone Number: 888.440.3320

2. Hazards Identification

GHS Classifications

Hazard	Category	Signal Word	Hazard statement	Symbol
Physical Hazards	None, not flammable	None	None	None
Health Hazards Acute Toxicity	5	Warning	H303, May be harmful if swallowed	None
Skin Corrosion /Irritation	None	None	None	None
Eye Irritation	None	None	None	None
Aspiration Hazard	None	None	None	None

Emergency Overview:

Warning! Contains small amounts of petroleum distillates that can cause chemical pneumonia if aspirated into the lungs as a liquid. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Eye and skin contact will result in irritation.

Route of Entry: Inhalation: yes. Skin: yes. Ingestion: yes.

Carcinogenicity: NTP: no. IARC: no. OSHA: no.

Reproductive Toxicity: No reproductive toxicants over 1% in formula.

Specific Target Organ Systemic Toxicity (TOST): Single Exposure: Irritating to the skin and eyes and respiratory tract. Prolonged exposure will affect the nervous system, causing nervous system depression.

Effects of Exposure:

Acute: Eye: Causes eye irritation.

Skin: Causes Skin Irritation through defatting of skin with repeated contact over time. Reversible adverse effects in dermal tissue within the observation period, usually 14 days.

Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea and headache. High concentrations may result in narcosis (central nervous system depression). Intentional inhalation in concentrated form (huffing) may lead to brain damage and death.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and effects of overexposure.

Signs and Symptoms of Overexposure:

Health hazard: diarrhea. Aspiration of material into lungs can cause chemical pneumonia which can be fatal.

Medical Conditions Aggravated by Exposure: Asthma, dermatitis.

LABELING:

Product identifier: EFF Reducer

Signal word: Warning

Hazard statements: H303, May be harmful if swallowed.

Causes Skin and Eye Irritation. Do not breathe vapors or mist. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

FIRST AID

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops and persists.

COMPANY NAME: Preferred Deck Systems
 ADDRESS: 7534 W. Madison St.
 Tolleson, AZ 85353
 Phone number: 888.440.3320

HAZARDS: (Liquid) Serious skin and eye irritant.

Pictograms on the label:

No Pictograms needed.

Hazard Statements

H303

May be harmful if swallowed

Precautionary Statements

P261

Avoid breathing dust/fume/gas/mist/vapors/spray

P305 +P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. If present and easy to do. Continue rinsing.



3. Composition/ Information on Hazardous Ingredients

Hazardous Ingredients	CAS#	Percent w/w	OSHA PEL
None in the reportable quantity	NA*	NA	NA

*Note: NE=Not Established. NA=Not Applicable

Note: Further safety information can be found in subsequent sections.

4. First Aid Measures

General Information: Discard contaminated clothing immediately.

Eye: Flush with clean, lukewarm water for at least 15 minutes, occasionally lifting eyelids. Obtain medical attention.

Skin: Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse.

Inhalation: Remove to fresh air. Apply artificial respiration/administer oxygen if necessary. Call physician immediately. If person is unconscious, transport affected person in reclined position.

Ingestion: Keep person warm and quiet. Get immediate medical attention. Do not induce vomiting because of risk of aspiration of material into lungs. Drink several glasses of water to dilute the product in the stomach.

5. Fire Fighting Measures

Flammability Summary (OSHA): Not Flammable

Flash Point Method: Setaflash

Flash Point: Greater than 200F (93C) (Setaflash).

Upper Flammable/Explosive Limit, % in air: Not Found

Lower Flammable/Explosive Limit, % in air: Not Found

When dry the product can be made to burn:

Upper Flammable /explosive limit, % in air: NA

Lower Flammable / explosive limit, % in air: NA

Unusual Fire/Explosion Hazards: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to fire due to pressure buildup.

Extinguishing Media: Use water fog, foam, carbon dioxide or chemical fire fighting apparatus.

Fire Fighting Instructions: Wear NIOSH/MSHA approved SCBA and full protective equipment. Do not use full pressure water jet. Water spray may be used for cooling containers to prevent possible pressure build up and auto ignition/explosion when exposed. Guard against toxic gasses released by fire. If safe, remove containers from fire zone.

Products of Combustion: Carbon Dioxide, Carbon Monoxide, Water Vapor.

6. Accidental Release Measures

Slip and fall hazard when the coating is wet. Evacuate the area of all unnecessary personnel. Ventilate area. Equip employees with appropriate protective equipment. Dike around spilled material. Cover spill with inert/absorbent material and shovel into container. Remove containers to safe area and seal. Use sand or absorbent to collect material and to prevent flow into storm water or ground.

Waste Disposal Methods: Waste material must be disposed of in accordance with federal, state and local environmental regulatory controls.

7. Handling and Storage

Handling: Use drum trucks and pallet jacks to move drums and cans.

Drums: Protect against physical damage.

Bulk: Storage should be in standard lidded storage tanks.

Other Precautions: Clean up spills quickly to prevent slipping on the wet surface.

8. Exposure Controls and Personal Protection

Respiratory Protection:

Use NIOSH/MSHA approved self-contained breathing apparatus where vapor concentration may be above TLV limits. Below TLV limits use NIOSH/MSHA approved vapor respirator or an airline respirator with escape bottle provisions.

Ventilation: Local exhaust must be sufficient to keep airborne vapor concentrations below TLV limit. Exhaust air may need to be cleaned by scrubbers.

Protective Gloves: Chemical resistant gloves.

Eye Protection: Chemical workers' goggles.

Other Protective Equipment:

Eye bath and safety shower. To prevent repeated or prolonged skin contact wear impervious clothing and boots.

Work Hygiene Practices: Wash hands and clothing after exposure.

Supplemental Safety and Health: First aid procedures: Vomit can cause chemical pneumonia which can be fatal.

Ventilation: Filters to reduce environmental contamination.

Effects of overexposure: Irritating to respiratory system. Mild, reversible liver effects, liver abnormalities.

Exposure Limits:

Hazardous Ingredients	CAS#	Percent w/w	OSHA PEL
None above the reporting level	NA*	NA	NA

*NE=Not Established. NA=Not Applicable

9. Physical and Chemical Properties

Physical State: Liquid

Color: Characteristic

Odor: slight

Odor Threshold: Not available.

pH Value: Not available

Melting point: Not available

Evaporation rate: Slower than ether

Freezing point: Not available.

Initial boiling point: 100C (212F)

Auto ignition Temperature: Not available.

Bulk Density: Approximately 8.48 pounds per gallon.

Flash Point: >200F PMCC

Upper Explosion Limit: Not established

Lower Explosion Limit: Not established

Solubility in Water: miscible.

Specific Gravity: 1.02@20C(68F)

Weight per gallon: 8.48 +/- 0.15 pounds

VOC: 0.24 pounds per gallon less water (29.5 g/l)

10. Stability and Reactivity

Stability and Reactivity Summary: Stable under normal conditions

Reactive Properties: Strong acids and bases will attack the polymer.

Sensitivity to mechanical shock: None

Hazardous Polymerization: Will not occur

Conditions to Avoid: Do not heat closed containers

Chemical Incompatibility: Strong oxidizing agents

Hazardous Decomposition Products: CO, CO2

11. Toxicological Information

Hazardous Ingredients	CAS#	Percent w/w	LD50 oral, rat, mg/kg
None above the reporting level	NA*	NA	NA

*NF=Not Found. NA=Not Applicable

12. Ecological Information

Environmental Toxicity: Some parts are not persistent in the environment. Ecotoxicity Classification criteria is between 1 and 100 for some of the ingredients. Most ingredients are carbon based and are eventually degraded by bacteria when placed in water or soil.

13. Disposal Considerations

Care must be taken to avoid environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws.

Waste Disposal Summary: Dispose as a hazardous chemical.

Disposal Methods:

Dispose of in accordance with local, state and federal regulations. Incineration is preferred.

14. Transport Information

US Ground (DOT): Not regulated for transportation.

Canada (TDG): Not regulated for transportation.

IMO: Not regulated for transportation.

IATA/ICAO: Not regulated for transportation.

15. Regulatory Information

UNITED STATES:

Toxic Substances Control Act (TSCA): The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

Superfund Amendments and Reauthorization Act (SARA) Title III: None present.

Sections 311/312 Hazard Categories (40 CFR 370.2):

Immediate/Acute Health Hazard: Yes

Delayed/Chronic Health Hazard: Yes

Fire Hazard: No

Pressure Hazard: No

Reactivity Hazard: No

Federal and State Regulations: California Prop 65: The following chemicals have been determined by the State of California to cause cancer in laboratory animals and are available in trace amounts in this product: None are present above the safe harbor rule method of evaluating reporting of chemicals.

CERCLA Reportable Quantities: None

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: A

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 0

16. Other Information

This information should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to its use. No warranties of any kind neither express nor implied, including warranties of merchantability or fitness for a particular purpose are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, information, data and designs furnished by PREFERRED DECK SYSTEMS hereunder are given gratis and PREFERRED DECK SYSTEMS assumes no obligation or liability for the description, information, data and designs given or results obtained, all such being given and accepted at your risk. We believe this information to be reliable and up to date as of its publication date but make no warranty that it is. If this SDS is more than one year old you should contact PREFERRED DECK SYSTEMS to make sure the information is still current.

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