

Material Safety Data Sheet

ITW Performance Polymers - Devcon

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PREMIUM SILICONE ADHESIVE

This product appears in the following stock number(s):
12045

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Tradename: PREMIUM SILICONE ADHESIVE

General use: When cured, these products are not hazardous. They cure by reacting with atmospheric moisture to slowly give off acetic acid, the same substance as in vinegar. Acetic acid vapor can be an irritant.

Chemical family: Silicones

MANUFACTURER

ITW Performance Polymers - Devcon
Consumer Division
2107 West Blue Heron Blvd.
Riviera Beach, FL 33404

EMERGENCY INFORMATION

Emergency telephone number
(CHEMTREC): (800) 424-9300
(CHEMTREC International): 703-527-3887
Other Calls: (561) 845-2425

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Abbr.	Weight Percent	ACGIH TLV:	OSHA PEL:	Other Limits
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE 64742-46-7	n/e	<40	5 mg/m ³ TWA (oil mist)	5 mg/m ³ PEL (oil mist)	n/e
AMORPHOUS SILICA 7631-86-9	n/e	5-15	10 mg/m ³ TWA	6 mg/m ³ TWA	n/e
ETHYLTRIACETOXYMETHYLSILANE 17689-77-9	n/e	1-5	n/e	n/e	n/e
METHYLTRIACETOXYMETHYLSILANE 4253-34-3	n/e	1-5	n/e	n/e	n/e
TRADE SECRET (Non-hazardous) MIXTURE	n/e	balance	n/e	n/e	n/e

"TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limit. "n/e" indicates that no exposure limit has been established. An asterisk (*) indicates a substance whose identity is a trade secret of our supplier and unknown to us.

3. HAZARDOUS IDENTIFICATION

Emergency Overview

Appearance, form, odor: paste with vinegar odor

CAUTION! Eye, skin and respiratory irritant. May be harmful if swallowed.

Potential health effects

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation

Symptoms of acute overexposure

Skin: May cause moderate skin irritation.

Eyes: The acetic acid vapor given off during cure can cause eye irritation in poorly ventilated areas.

Inhalation: May cause mild respiratory irritation. Excessive inhalation causes headache, dizziness, nausea and incoordination.

Ingestion: Amounts consumed due to carelessness during normal operations should not cause injury. Ingestion of large amounts may cause discomfort.

Effects of Chronic Exposure: None known.

Ingredient	Weight Percent	NTP	ACGIH Carcinogens	IARC
AMORPHOUS SILICA 7631-86-9	5-15			Group 3 Monograph 68, 1997

Medical Conditions Recognized as Being Aggravated by Exposure:

Methyltriacetoxysilane: Eye, skin and pulmonary disorders.

4. FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Skin Contact: Wipe off paste with paper towel or cloth. Wash off with soap and water. If skin irritation persists, call a physician.

Inhalation: Move to fresh air; get medical attention if symptoms persist.

Ingestion: If swallowed, DO NOT induce vomiting. Obtain medical attention immediately.

5. FIRE FIGHTING MEASURES

Recommended Extinguishing Media: Water, Dry chemical, Carbon dioxide, foam

Flash point: >200°F

Method: CC

Lower Explosive Limit: n/d

Upper Explosive Limit: n/d

Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus.

Unusual Fire/Explosion Hazards:

Toxic smoke or vapors may form during combustion.

Hazardous Products of Combustion:

Acetic acid, Oxides of carbon, Formaldehyde, Silicon dioxide

6. ACCIDENTAL RELEASE MEASURES

Spill Control: Ventilate area. Wear the appropriate personal protective equipment.

Containment: Dike, contain and absorb with clay, sand or other suitable material.

Cleanup: Wipe or scrape up spill material. Place in moisture-proof containers. Scrub areas of large spills with detergent and water to remove vinegar odor.

Special procedures: Spills may cause slippery floors.

7. HANDLING AND STORAGE

Handling precautions: Releases acetic acid vapor on contact with moisture or water vapor. Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.

Storage: Store away from heat. Store away from water or moisture. Keep containers closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls

Ventilation:

General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

Other engineering controls: Eye wash station.

Personal protective equipment

Eye and face protection: Safety glasses with side shields.

Skin protection: Chemical-resistant gloves (i.e. butyl) and other gear as required to prevent skin contact.

Respiratory protection: With good ventilation, none required. Use NIOSH-approved organic vapor cartridges for uncured product and dust/particle respirators during sanding/grinding operations of cured product as exposure levels dictate.

Comments: When heated to temperatures above 300 degrees F. in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Safe handling conditions may be maintained by keeping vapor concentrations below the OSHA permissible limit for formaldehyde.

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity: 0.96

Boiling Point: >300°F

Melting point: n/d

Vapor Density (Air=1): >1

Vapor Pressure: n/d

Evaporation Rate: <1 (butyl acetate = 1)

VOC: <70 g/l

Solubility in water: Polymerized

pH (5% solution or slurry in water): n/d

10. STABILITY AND REACTIVITY

This material is chemically stable. Hazardous polymerization will not occur.

Conditions to Avoid: Exposure to moisture.

Incompatibilities: Strong oxidizers

Hazardous Products of Combustion: Acetic acid, Oxides of carbon, Formaldehyde, Silicon dioxide

Conditions under which hazardous polymerization may occur: N/A.

11. TOXICOLOGICAL INFORMATION

Eye irritation: No data available.

Subchronic effects: None known.

Carcinogenicity, teratogenicity and mutagenicity: None known.

Other chronic effects: None known.

Toxicological information on hazardous chemical constituents of this product:

Ingredient	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 4hr (rat)
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE 64742-46-7	n/d	n/d	n/d
AMORPHOUS SILICA 7631-86-9	n/d	n/d	n/d
ETHYLTRIACETOXYSILANE 17689-77-9	n/d	n/d	n/d
METHYLTRIACETOXYSILANE 4253-34-3	2060 mg/kg	n/d	n/d
TRADE SECRET (Non-hazardous) MIXTURE	n/d	n/d	n/d

'n/d' = not determined

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12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

Mobility and persistence: No data available.

Environmental fate: No data available.

13. DISPOSAL CONSIDERATIONS

Please see also Section 15, Regulatory Information.

Recommended Method of Disposal: If material becomes a waste, it would not be a hazardous waste by RCRA criteria (40CFR 261). Dispose of according to applicable federal, state and local regulations.

US EPA Waste Number: NH - Not a RCRA Hazardous Waste Material.

14. TRANSPORT INFORMATION

Proper shipping name: Not regulated

Technical name: N/A

Hazard class: N/A

UN/ID Number: N/A

Packing group: N/A

Emergency Response Guide no: N/A

IMDG page number: N/A

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA:

All ingredients of this product are listed or are exempt from listing on the TSCA Inventory.

The following RCRA code(s) applies to this material if it becomes waste:

None

Regulatory status of hazardous chemical constituents of this product:

Ingredient	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	12B EXPORT NOTIFICATION:
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE 64742-46-7	No	No	0.0	Not required
AMORPHOUS SILICA 7631-86-9	No	No	0.0	Not required
ETHYLTRIACETOXYSILANE 17689-77-9	No	No	0.0	Not required
METHYLTRIACETOXYSILANE 4253-34-3	No	No	0.0	Not required
TRADE SECRET (Non-hazardous) MIXTURE	No	No	0.0	Not required

*Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substance List.

**Substances for which the "Toxic Chemical" column is marked "Yes" are on the SARA Section 313 list of Toxic Chemicals, for which release reporting may be required. For specific requirements, consult the appropriate regulations.

For purposes of SARA Section 312 hazardous materials inventory reporting, the following hazard classes apply to this material: Immediate health hazard

California regulations: For purposes of the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65), this product does not contain any listed chemical at or above the No Significant Risk Limit.

Canadian regulations

WHMIS Hazard Class: D2B TOXIC MATERIALS

16. OTHER INFORMATION

Hazardous Material Information System (HMIS) rating:

Health 1 Flammability 1 Physical Hazard 0

HMIS is a registered trademark of the National Paint and Coatings Assn.

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