

ITW Permatex
 Devcon Brand
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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: DEVCON ALL PURPOSE SILICONE
Product Type: Silicone

This product appears in the following stock number(s):
25045

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
POLY (DIMETHYLSILOXANE), HYDROXY TERMINATED 70131-67-8	>60	Not listed	Not listed
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE 64742-46-7	<25	5 mg/m ³	Not listed
AMORPHOUS SILICA 7631-86-9	5-15	Not listed	20 mppcf
ETHYLTRIACETOXSILANE 17689-77-9	1-5	Not listed	Not listed
METHYLTRIACETOXSILANE 4253-34-3	1-5	Not listed	Not listed
ACETIC ACID 64-19-7	0.5-2.0	10 mg/m ³	10 ppm; 25 mg/m ³

3. HAZARDS IDENTIFICATION

Toxicity: May cause eye, skin and respiratory irritation. May be harmful if swallowed.
Primary Routes of Entry: Eye and skin contact, ingestion, inhalation
Signs and Symptoms of Exposure: Acetic acid produced during curing irritates eyes, nose and throat. Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation.

Component	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
AMORPHOUS SILICA 7631-86-9	5-15			Group 3 Monograph 68, 1997

Aggravated Medical Condition: Methyltriacetoxysilane: Eye, skin and pulmonary disorders.

4. FIRST AID MEASURES

Ingestion: Rinse mouth. If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation: Move to fresh air in case of accidental inhalation of vapours. Obtain medical attention.
Skin Contact: Wipe off material with paper towel or cloth. Wash off with soap and water. If skin irritation persists, call a physician.
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.

5. FIRE FIGHTING MEASURES

Flash Point °F(C°): >200°F (>93°C)
Recommended Extinguishing Media: Dry chemical, Carbon dioxide, Foam
Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus and protective clothing to prevent all skin and eye contact
Hazardous Products of Combustion: Oxides of carbon, Oxides of silicon, Methyl ethyl ketone, possibly methyl ethyl ketoxime, Formaldehyde
Unusual Fire/Explosion Hazards: Irritating or toxic gases or fumes may be generated by thermal decomposition or combustion.

Lower Explosive Limit: n/d
Upper Explosive Limit: n/d

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Wipe or scrape up spill material. Maintain good ventilation for large spills. Place scrap material in a well-ventilated area and allow to cure to rubber. Spills may cause slippery floors.

7. HANDLING AND STORAGE

Storage: Store away from water or moisture. Keep containers closed when not in use.
Handling: Product releases acetic acid during application and curing. Avoid contact with skin and eyes. Do not wear contact lenses. Wash hands before eating and smoking.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses
Skin: Neoprene or nitrile gloves recommended.
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
Respiratory Protection: An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits
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

Appearance: Clear paste
Odor: Acetic acid
Boiling Point: >200° F/93.3° C
pH: Not applicable
Solubility in Water: Polymerization
Specific Gravity: 0.96
VOC(Wt.%): <70 g/L
Vapor Pressure: Not Determined
Vapor Density (Air=1): >1
Evaporation Rate: <1 (butyl acetate = 1)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions
Hazardous Polymerization: Will not occur
Incompatibilities: Strong oxidizers
Conditions to Avoid: Exposure to moisture.
Hazardous Products of Combustion: Oxides of carbon, Oxides of silicon, Methyl ethyl ketone, possibly methyl ethyl ketoxime, Formaldehyde

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations
US EPA Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

U.S. Department of Transportation - DOT - 49 CFR (Ground)

DOT Shipping Name: Not regulated
Hazard Class: None
UN/ID Number: None

IATA (Air)

Proper Shipping Name: Not regulated
Class or Division: None
UN/ID Number: None

IMDG (Vessel)

14. TRANSPORTATION INFORMATION

Proper Shipping Name: Not regulated
Hazard Class: None
UN Number: None
Marine Pollutant: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

SARA 313 Information None

California Proposition 65: No California Prop 65 chemicals are known to be present at or above the No Significant Risk Level.

TSCA Inventory Status: All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0
Estimated HMIS Classification: HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 1
(NFPA is a registered trademark of the National Fire Protection Association)
(HMIS is a registered trademark of the National Paint and Coatings Association)

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