

ITW Permatex  
Devcon Brand  
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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

Product Name: **DEVCON WELDIT™ ALL PURPOSE ADHESIVE**  
Product Type: **Adhesive**

This product appears in the following stock number(s):  
**18245**

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
ACETONE 67-64-1	40-70	500 ppm	1000 ppm; 2400 mg/m <sup>3</sup>
METHYL ETHYL KETONE (BUTANONE) 78-93-3	10-30	200 ppm	200 ppm; 590 mg/m <sup>3</sup>
DIBUTYL PHTHALATE 84-74-2	<3	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>

### 3. HAZARDS IDENTIFICATION

**Toxicity:** This material is irritating to skin, eyes and respiratory tract. Harmful if swallowed. High concentrations may cause central nervous system (CNS) depression. Prolonged and repeated exposure to methyl ethyl ketone and/or n-hexane may cause peripheral neuropathy by damaging peripheral nerve tissue (that of arms and legs) and result in muscular weakness and loss of sensation.

**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation

**Signs and Symptoms of Exposure:** May cause pain, redness or swelling of the eyes and excessive blinking and tear production. Prolonged skin contact may defat the skin and produce dermatitis. Ingestion may cause nausea and vomiting. Excessive exposure may cause abdominal discomfort, lumbar pain, CNS depression and kidney or liver damage.

Component	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
ACETONE 67-64-1	40-70		A4 - Not Classifiable as a Human Carcinogen	

**Aggravated Medical Condition:** Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected.

### 4. FIRST AID MEASURES

**Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. If symptoms persist, call a physician.

**Skin Contact:** Remove contaminated clothing and launder before reuse. Wash 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°):** -4°F (-20°C)

**Recommended Extinguishing Media:** Carbon dioxide, Dry chemical, 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 nitrogen

**Unusual Fire/Explosion Hazards:** Danger! This product is extremely flammable. May cause flash fire. Exposure to temperatures over 120 degrees F. may cause bursting or venting. Keep away from heat and sources of ignition.

## 5. FIRE FIGHTING MEASURES

Lower Explosive Limit: 0.5%  
Upper Explosive Limit: 12.8%

## 6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

## 7. HANDLING AND STORAGE

Storage: Store away from heat, sparks or open flame. Do not store at temperatures above 100°F (38°C).  
Handling: Danger: Extremely flammable. Do not use near heat, sparks or open flame. Vapors may accumulate readily and may ignite explosively. Avoid contact with skin and eyes. Use only in a well ventilated area. Wash hands before eating and smoking. Keep container closed when not in use.

## 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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid  
Odor: Ketone  
Boiling Point: 132°F (55°C)  
pH: Not applicable  
Solubility in Water: Slight  
Specific Gravity: 0.6  
VOC(Wt.%): 1.087 lb/gal  
Vapor Pressure: Not Determined  
Vapor Density (Air=1): >1  
Evaporation Rate: Slower than ether

## 10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions  
Hazardous Polymerization: Will not occur  
Incompatibilities: Strong oxidizers, Strong bases, Acids, Amines  
Conditions to Avoid: Keep away from heat, sparks and flame.  
Hazardous Products of Combustion: Oxides of carbon, Oxides of nitrogen

## 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: D001/D035 as per 40CFR 261.21 and a TCLP waste per 261.24 (methyl ethyl ketone and benzene)

## 14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

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

DOT Shipping Name: Adhesives, Limited Quantity  
Hazard Class: Class 3, PG II  
UN/ID Number: UN 1133

IATA (Air)

Proper Shipping Name: Consumer Commodity  
Class or Division: Class 9  
UN/ID Number: ID 8000

## 14. TRANSPORTATION INFORMATION

### IMDG (Vessel)

**Proper Shipping Name:** Adhesives, Limited Quantity  
**Hazard Class:** Class 3, PG II  
**UN Number:** UN 1133

## 15. REGULATORY INFORMATION

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

**SARA 313 Information** Dibutyl phthalate

**California Proposition 65:** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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

## 16. OTHER INFORMATION

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 3, REACTIVITY 0  
**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 3, PHYSICAL HAZARD 0  
(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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