

Material Safety Data Sheet

ITW Consumer - Devcon/Versachem

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WELDIT™ ALL PURPOSE ADHESIVE

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

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Tradename: WELDIT™ ALL PURPOSE ADHESIVE

General use: Waterproof Adhesive

Chemical family: Ketone

MANUFACTURER

ITW Consumer - Devcon/Versachem
2107 West Blue Heron Blvd.
Riviera Beach, Florida 33404

EMERGENCY INFORMATION

Emergency telephone number

(CHEMTEL): (800) 255-3924

(CHEMTEL International): (+01) 813-248-0585

Other Calls: (561) 845-2425

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Abbr.	Weight%	ACGIH; TLV-TWA	OSHA PEL:	Other Limits
ACETONE 67-64-1	n/e	30-50	500 ppm; 1188 mg/m ³	1000 ppm TWA; 2400 mg/m ³ TWA	750 ppm (Canada)
METHYL ETHYL KETONE 78-93-3	MEK	10-30	200 ppm TWA ACGIH	200 ppm TWA; 590 mg/m ³	200 ppm Canada
DIBUTYL PHTHALATE 84-74-2	DBP	<3	5 mg/m ³ TWA ACGIH	5 mg/m ³ TWA	5 mg/m ³ TWA
PROPYLENE OXIDE 75-56-9	n/e	<2	2 pm TWA ACGIH	100 ppm TWA; 240 mg/m ³ TWA	20 ppm Canada
TRADE SECRET (Non-hazardous) MIXTURE	n/e	Balance		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 identify is a trade secret of our supplier and unknown to us.

3. HAZARDOUS IDENTIFICATION

Emergency Overview

Appearance, form, odor: Clear liquid with solvent odor

DANGER! Extremely Flammable. Eye, skin and respiratory irritant. Harmful if swallowed. May cause central nervous system effects. Use with adequate ventilation.

Potential health effects

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

Symptoms of acute overexposure

Skin: May cause skin defatting with prolonged exposure. Prolonged absorption may cause damage to blood, kidneys and nervous system.

Eyes: Moderate eye irritant (stinging, burning sensation, tearing, redness, swelling)

Inhalation: Causes irritation of the mouth,nose,and throat. Excessive inhalation causes headache, dizziness, nausea and incoordination.

Ingestion: May cause gastric distress (nausea, vomiting, diarrhea). May cause central nervous system effects.

Effects of Chronic Exposure: Overexposure to methyl ethyl ketone and n-hexane may cause peripheral nerve damage (that of arms and legs) and result in muscular weakness and loss of sensation. Long term overexposure to solvents have been associated with lung, liver and kidney damage. May affect the blood and blood system.

Component	Weight%	NTP	ACGIH Carcinogens	IARC
ACETONE 67-64-1	30-50	Not known	A4 - Not Classifiable as a Human Carcinogen	
PROPYLENE OXIDE 75-56-9	<2	male rat-some evidence, female rat-some evidence, male mice-clear evidence, female mice-clear evidence	A3 - Animal Carcinogen	Group 2B Monograph 60; 1994

Medical Conditions Recognized as Being Aggravated by Exposure:

Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected.

Other:

MEK has demonstrated to potentiate (shorten the time of onset) of peripheral neuropathy caused by either n-hexane or methyl n-butyl ketone. MEK by itself has not been demonstrated to cause peripheral neuropathy. MEK can potentiate the neurotoxicity of hydrocarbon compounds (n-hexane, meathyl-n-butyl ketone and 2,5-hexanedione) and the liver and kidney toxicity of haloalkane solvents

4. FIRST AID MEASURES

Eye Contact: Flush eyes with clean water for at least 20 minutes while gently holding eyelids open, lifting upper and lower lids.

Skin Contact: Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention.

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention

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. If spontaneous vomiting occurs, hold the victim's head lower than hips to prevent aspiration

Notes to Physician: Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

5. FIRE FIGHTING MEASURES

General fire and explosion characteristics: Flammable liquid Class 1B.

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

Flash point: -35°F

Method: TOC

Lower Explosive Limit: 0.5%

Upper Explosive Limit: 38.5%

Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus and protective clothing to prevent all skin and eye contact. Do not enter confined space without full bunker gear. Use water spray to cool exposed containers.

Unusual Fire/Explosion Hazards:

Danger! This product is extremely flammable. May cause flash fire. Closed containers may rupture or explode when exposed to extreme heat.

Hazardous Products of Combustion:

Oxides of carbon, Oxides of nitrogen

6. ACCIDENTAL RELEASE MEASURES

Spill Control: Avoid personal contact. Eliminate ignition sources. Ventilate area.

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

Cleanup: Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

Special procedures: Prevent spill from entering drainage/sewer systems, waterways and surface water. Use non-sparking tools.

7. HANDLING AND STORAGE

Handling precautions: Extremely flammable!. Keep away from sources of ignition - No smoking. Use non-sparking tools. Avoid breathing vapors or mists. Avoid contact with the skin and the eyes. Wash thoroughly after handling. Launder contaminated clothing and protective gear before reuse.

Storage: Store away from heat, sparks or open flame. Do not store at temperatures above 120 degrees F. Ground and bond all transfer and storage equipment.

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: Observe label precautions. Keep container tightly closed. Have emergency shower and eye wash available.

Personal protective equipment

Eye and face protection: Chemical splash goggles or safety glasses where there is a risk of eye contact

Skin protection: Chemical-resistant gloves (Neoprene, nitrile) and other gear as required to prevent skin contact.

Respiratory protection: A NIOSH/MSHA air purifying respirator with an organic vapor cartridge may be permissible, however use a positive pressure air supplied respirator if there is any potential for uncontrolled release, or unknown exposure levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity: 0.92

Boiling Point: 93°F

Melting point: n/d

Vapor Density (Air=1): >1

Vapor Pressure: n/d

Evaporation Rate: Slower than ether

VOC: 5.28 lb/gal

Solubility in water: Slight

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: Keep away from heat, sparks and flame.

Incompatibilities: Avoid contact with bases and strong oxidizers, Acids, Amines

Hazardous Products of Combustion: Oxides of carbon, Oxides of nitrogen

Conditions under which hazardous polymerization may occur: None known.

11. TOXICOLOGICAL INFORMATION

Eye Contact: No data available.

Subchronic effects: No data available.

Carcinogenicity, teratogenicity and mutagenicity: This product or one of its ingredients present 0.1% or more is listed as a carcinogen or potential carcinogen by NTP, IARC or OSHA .

Other chronic effects: Laboratory studies involving rats indicate some evidence that MEK may be embryotoxic, fetotoxic and teratogenic.

Toxicological information on hazardous chemical constituents of this product:

Component	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 4hr (rat)
ACETONE 67-64-1	5800 mg/kg	n/d	50100 mg/m ³ /8hr
METHYL ETHYL KETONE 78-93-3	2737 mg/kg	6840 mg/kg	23500 mg/m ³ /8h
DIBUTYL PHTHALATE 84-74-2	8 g/kg	>20 ml/kg	mouse 25 g/m ³ /2h
PROPYLENE OXIDE 75-56-9	380 mg/kg	1500 uL/kg	4000 ppm/4h
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 this product becomes a waste, it would be a hazardous waste by RCRA criteria (40CFR 261). Dispose of according to applicable 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. TRANSPORT INFORMATION

Proper shipping name: *Adhesives

Technical name: N/A

Hazard class: 3

UN/ID Number: 1133

Packing group: II

Emergency Response Guide no: 128

*Depending upon the size and type of container, this material may be reclassified as "Consumer Commodity, ORM-D" for shipments within the United States, or "Limited Quantity" elsewhere. Refer to the appropriate regulation.

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA:

All ingredients of this product are listed, or are exempt from listing on the TSCA Inventory. Export notification is required under TSCA Sec.12B - see below..

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

D001/D035

Regulatory status of hazardous chemical constituents of this product:

Component	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	12B EXPORT NOTIFICATION:
ACETONE 67-64-1	No	No	5000 pounds (2270 kg)	Required
METHYL ETHYL KETONE 78-93-3	No	No	5000 lbs. (2270 kg)	Not required
DIBUTYL PHTHALATE 84-74-2	No	Yes	10 lbs. (4.54 kg)	Not required
PROPYLENE OXIDE 75-56-9	Yes	No	100 pounds (45.4 kg)	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, Delayed health hazard, Fire hazard

California regulations: For purposes of the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop.65), this product contains a chemical(s) known to the State of California to cause cancer.

Canadian Regulations

WHMIS Hazard Class: B2 FLAMMABLE LIQUIDS, D2A VERY TOXIC MATERIALS, D2B TOXIC MATERIALS

16. OTHER INFORMATION

Hazardous Material Information System (HMIS) rating:

Health 2* Flammability 4 Physical Hazard 0

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

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