

Material Safety Data Sheet

ITW Consumer - Devcon/Versachem

1 of 5

MUFFLER WELD

This product appears in the following stock number(s):
00103

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Tradename: MUFFLER WELD

General use: Sealant

Chemical family: Aqueous sodium silicate

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
KAOLIN 1332-58-7	n/e	40-70	2 mg/m ³	15 mg/m ³ dust; 5 mg/m ³ respir. TWA	n/e
SODIUM SILICATE 1344-09-8	n/e	40-70		n/e	n/e
CRYSTALLINE SILICA 14808-60-7	n/e	<1		10(%Q+2) mppcf (respirable)	0.1 mg/m ³ (Canada)
TITANIUM DIOXIDE 13463-67-7	n/e	0.1-1.0	10 mg/m ³	15 mg/m ³ TWA (total dust)	n/e
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: paste with little odor

CAUTION! Eye, skin and respiratory irritant. Harmful if swallowed.

Potential health effects

Primary Routes of Exposure: Eye. Skin. Inhalation (breathing)

Symptoms of acute overexposure

Skin: Will cause irritation on continued contact.

Eyes: May cause severe eye irritation. Corneal injury may result.

Inhalation: Excessive inhalation causes headache, dizziness, nausea and incoordination.

Ingestion: Irritating to mouth, throat and stomach.. Causes severe damage to mucous membranes if swallowed.

PRODUCT IS ALKALINE.

Effects of Chronic Exposure: May cause dermatitis.

Component	Weight%	NTP	ACGIH Carcinogens	IARC
KAOLIN 1332-58-7	40-70		A4-Not classifiable as a human carcinogen	
CRYSTALLINE SILICA 14808-60-7	<1		A2 - Suspected Human Carcinogen	Group 1 Monograph 68, 1997 (inhalation of quartz)
TITANIUM DIOXIDE 13463-67-7	0.1-1.0	male rat-negative, female rat-negative, male mice-negative, female mice-negative	A4	Group 2B; Vol 93,2006; Vol 47,1989

Medical Conditions Recognized as Being Aggravated by Exposure:

Preexisting eye, skin and respiratory disorders may be aggravated by overexposure to this product.

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention..

Skin Contact: Wash 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, Carbon dioxide, Dry chemical, foam

Flash point: n/d

Method: N/A

Lower Explosive Limit: Not determined. **Upper Explosive Limit:** Not determined.

Limit: Not determined. **Limit:** Not determined.

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

Unusual Fire/Explosion Hazards:

None.

Hazardous Products of Combustion:

Carbon monoxide, Carbon dioxide

6. ACCIDENTAL RELEASE MEASURES

Spill Control: Contain spill with dikes if necessary.

Containment: N/A

Cleanup: Wipe or scrape up spill material. Place in an appropriate waste container for disposal.

Special procedures: None.

7. HANDLING AND STORAGE

Handling precautions: 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 in a cool, dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls:

Ventilation:

Not needed under reasonably anticipated conditions of use.

Other engineering controls: Eye wash station.

Personal protective equipment

Eye and face protection: Safety glasses with side shields

Skin protection: Rubber gloves.

Respiratory protection: With good ventilation, none required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity: 1.65

Boiling Point: 230°F

Melting point: n/d

Vapor Density (Air=1): >1

Vapor Pressure: <1 @ 77°F

Evaporation Rate: <1 (butyl acetate = 1)

VOC: 0

Solubility in water: Nil

pH (5% solution or slurry in water): 11.38

10. STABILITY AND REACTIVITY

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

Conditions to Avoid: None.

Incompatibilities: Acids, Prolonged contact with aluminum may produce flammable hydrogen gas

Hazardous Products of Combustion: Carbon monoxide, Carbon dioxide

Conditions under which hazardous polymerization may occur: None.

11. TOXICOLOGICAL INFORMATION

Eye Contact: No data available.

Subchronic effects: No data available.

Carcinogenicity, teratogenicity and mutagenicity: No data available.

Other chronic effects: None known.

Toxicological information on hazardous chemical constituents of this product:

Component	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 4hr (rat)
KAOLIN 1332-58-7	n/d	n/d	n/d
SODIUM SILICATE 1344-09-8	oral rat: 1153 mg/kg	n/d	n/d
CRYSTALLINE SILICA 14808-60-7	n/d	n/d	n/d
TITANIUM DIOXIDE 13463-67-7	>10000 mg/kg	n/d	n/d
TRADE SECRET (Non-hazardous) MIXTURE	n/d	n/d	n/d

'n/d' = not determined

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

Hazard class: N/A

UN/ID Number: N/A

Packing group: N/A

Emergency Response Guide no: 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:

Component	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	12B EXPORT NOTIFICATION:
KAOLIN 1332-58-7	No	No	0.0	Not required
SODIUM SILICATE 1344-09-8	No	No	0.0	Not required
CRYSTALLINE SILICA 14808-60-7	No	No	0.0	Not required
TITANIUM DIOXIDE 13463-67-7	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, Delayed health 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 cause cancer and birth defects or other reproductive harm.

Canadian Regulations

WHMIS Hazard Class: D2B TOXIC MATERIALS

16. OTHER INFORMATION

Hazardous Material Information System (HMIS) rating:

Health 2* Flammability 0 Physical Hazard 0

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

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