

ITW Performance Polymers - QUALCO **Material Safety Data Sheet**
 Part No.: Q00101 Page 1

MUFFLER WELD REPAIR & SEALER (00101 & 00103)

This product appears in the following stock number(s):
 00101 00103

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Tradename: MUFFLER WELD REPAIR & SEALER (00101 & 00103)

General use:

Chemical family: Aqueous sodium silicate.

MANUFACTURER

ITW Performance Polymers - QUALCO
 2107 West Blue Heron Blvd.
 Riviera Beach, FL 33404

EMERGENCY INFORMATION

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS CONSTITUENTS

Exposure limits

Constituent	Abbr.	CAS No.	Weight percent	ACGIH TLV	OSHA PEL	Other Limits
Kaolin clay		1332587	40-60	2 mg/m ³	15ppm	10 ppm (Canada)
Carbon black			< 1	3.5 mg/m ³	3.5 mg/m ³	n/e
Sodium silicate		1344098	20-30	n/e	n/e	n/e
Titanium dioxide			< 2	10 mg/m ³	15 mg/m ³	10 mg/m ³ (Canada)
Crystalline silica		14808607	< 1	0.05 mg/m ³	10/(%Q+2) m ³	0.1 mg/m ³ (Canada)

"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. HAZARDS IDENTIFICATION

Emergency Overview

Appearance, form, odor: Grey paste with little odor.

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

Potential health effects

Primary routes of exposure: Skin contact Skin absorption Eye contact Inhalation Ingestion

Symptoms of acute overexposure:

Skin: Will cause irritation on continued contact.

Eyes: Can cause severe irritation and possible corneal damage if not treated.

Inhalation:

Temporary dizziness, headache, possibly nausea.

Ingestion:

May cause severe irritation and possible tissue destruction to mucous membranes of the throat, esophagus and stomach. PRODUCT IS ALKALINE.

Effects of chronic overexposure:

Repeated skin contact may cause dermatitis.

Carcinogenicity – OSHA regulated: No

ACGIH: No

National Toxicology Program: No

International Agency for Research on Cancer: Yes

Cancer-suspect constituent(s) : Respirable crystalline silica and carbon black

Medical conditions which may be aggravated by exposure:

Existing eye, skin and respiratory disorders.

4. FIRST AID MEASURES**First aid for eyes:**

Immediately flush with water for a minimum of 15 minutes holding lids apart to ensure flushing of entire surface.

First aid for skin:

Wash with plenty of soap and water.

First aid for inhalation:

Remove to fresh air. If symptoms develop, seek medical attention.

First aid for ingestion:

Do not induce vomiting. Consult a physician

5. FIRE FIGHTING MEASURES**Extinguishing media:**

Water Carbon dioxide Dry chemical Foam Alcohol foam

Flash Point (°F): n/d

Method:

Explosive limits in air (percent) -- Lower: n/d

Upper: n/d

Special firefighting procedures:

Where large quantities of the product are involved in a fire, firefighters should wear air supplied respirators.

Unusual fire and 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:

Sweep up spill and place in a closed container for disposal.

Special procedures:

None

7. HANDLING AND STORAGE**Handling precautions:**

Store in a cool, dry place, but not cold. Keep from freezing. Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against nuisance dust during sanding/grinding of cured product. Dusts include respirable crystalline silica and carbon black.

Storage:

None

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:

None needed

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific gravity:	> 1.2	Boiling point (°F):	212
Melting point (°F):	n/d	Vapor density (air = 1):	>1
Vapor pressure (mmHg):	<1 at 77 °F	Evaporation rate (butyl acetate = 1):	<<1
VOC (grams/liter):	0	Solubility in water:	Nil
Percent volatile by volume:	n/d	pH (5% solution or slurry in water):	11.6
Percent solids by weight:	n/d		

10. STABILITY AND REACTIVITY

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

Conditions to avoid :

None

Incompatible materials:

Acids. Prolonged contact with aluminum may produce flammable hydrogen gas.

Hazardous products of decomposition:

None

Conditions under which hazardous polymerization may occur:

None

11. TOXICOLOGICAL INFORMATION

Acute oral effects: LD50 (rat): No data available

Acute dermal effects: LD50 (rabbit): No data available

Acute inhalation effects: LC50 (rat): No data available

Exposure: 0 hours.

Eye irritation:

No data available

Subchronic effects:

No data available

Carcinogenicity, teratogenicity, and mutagenicity:

No data available.

Other chronic effects:

No data available

Toxicological information on hazardous chemical constituents of this product:

Constituent	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 4hr, (rat)
Kaolin clay	n/d	n/d	n/d
Carbon black	n/d	n/d	6750 mg/m ³
Sodium silicate	n/d	n/d	n/d
Titanium dioxide	n/d	n/d	n/d
Crystalline silica	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.

Waste management recommendations:

If this material becomes a waste, it would not be a hazardous waste by RCRA criteria (40CFR 261). Dispose of as solid waste in accordance with local, state, and federal requirements.

14. TRANSPORT INFORMATION

Proper shipping name: Non-regulated

Technical name :

Hazard class : N/A

UN number: N/A

Packing group: N/A

Emergency Response Guide no.: N/A

IMDG page number: N/A

Other:

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:

Constituent	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	TSCA 12B Export Notification
Kaolin clay	No	No	0.0	Not required

Constituent	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	TSCA 12B Export Notification
Carbon black	No	No	0.0	Not required
Sodium silicate	No	No	0.0	Not required
Titanium dioxide	No	No	0.0	Not required
Crystalline silica	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 -

Canadian regulations

WHMIS hazard class(es) : D2B

16. OTHER INFORMATION

Hazardous Materials Identification System (HMIS) ratings:	Health	Flammability	Reactivity
	2*	0	0

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