

# MSDS - Material Safety Data Sheet

## Product Name: SMITH & WESSON® BORE GEL (LIQUID)

MSDS No.: SW012

### I. Basic Information:

**Manufacturer:** RADIATOR SPECIALTY COMPANY  
**Address:** 600 RADIATOR ROAD  
**City, ST Zip:** INDIAN TRAIL, NC 28079  
**Emergency Contact:** Rocky Mountain Poison Control Center  
**Emergency Telephone Number:** 303-623-5716  
**Contact:** Robert Geer  
**Information Telephone Number:** 704-688-3430



1	Health
2	Flammability
0	Reactivity
B	Pers. Protection

Last Update: 08/30/2006

**Chemical State:**  Liquid     Gas     Solid  
**Chemical Type:**  Pure     Mixture

### II. Ingredients:

Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP	313	SUB	Z					
111-76-2	2-Butoxyethanol	7.0 - 13.0					X		25 ppm	25 ppm	
9016-45-9	Ethoxylated Nonyl Phenol	1.0 - 5.0							N/D	N/D	
110-91-8	Morpholine	.01 - 1.0							20 PPM	20 PPM	
112-80-1	Oleic acid	0.1 - 1.0							N/E	N/E	
7632-00-0	Sodium nitrite	0.1 - 1.0					X		N/E	N/E	
102-71-6	Triethanolamine	15.0 - 45.0							N/E	5 mg/m3	
7758-29-4	Triphosphoric acid, pentasodium salt	0.1 - 1.0							5 mg/m3 (d)	5 mg/m3 (d)	

### III. Hazardous Identification:

Hazard Category:

Acute     Chronic     Fire     Pressure     Reactive

Hazardous Identification Information:

CAUTION: Harmful if swallowed. Eye and Skin irritant.

### IV. First Aid Measures:

Route(s) of Entry:

Absorption, Eye, Inhalation, and Ingestion.

Health Hazards (Acute and Chronic):

See Signs and Symptom below

Signs and Symptoms:

Eye Contact: Direct spray of vapors may be irritating or harmful to eyes.  
 Skin Contact: Product may cause irritation to skin.  
 Inhalation: High concentration of vapors may irritate nose and throat and cause headaches and nausea.  
 Ingestion: Can cause irritation, gastric disturbances, and nausea..

Medical Conditions Generally Aggravated by Exposure:

None known

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### Emergency and First Aid Procedures:

Eye Contact: Flush eyes with water for 15 minutes while lifting upper and lower eyelid and get prompt medical attention.

Skin Contact: Wash with soap and water. If irritation persists, get prompt medical attention.

Inhalation: Move to fresh air. If breathing becomes difficult, get prompt medical attention.

Ingestion: Drink water or milk. Call Poison Control Center, physician, or hospital emergency room immediately.

### Other Health Warnings:

Under normal use of this product, no adverse health effects are expected.

### V. Fire Fighting Measures:

Flash Point: > 160°F

Lower Explosive Limit: N/D

Upper Explosive Limit: N/D

F.P. Method: N/A

Fire Extinguishing Media: Water Fog, Foam, Carbon Dioxide, Dry Chemical

### Special Fire Fighting Procedures:

Wear self-contained positive pressure breathing apparatus and protective clothes.

### Unusual Fire and Explosion:

None known

### VI. Accidental Release Measures:

#### Steps to be Taken in Case Material is Released or Spilled:

Use appropriate protective equipment. Contain spill and then absorb spill with inert material or rags and scoop into a chemical waste container. Neutralize remaining traces of material and flush with water followed by liberal covering with sodium bicarbonate. All clean-up material should be removed and placed in approved containers for disposal. Rinse water may be disposed of down a sanitary sewer system if authorized by the local municipality.

### VII. Handling and Storage:

#### Precautions to be Taken:

Use with adequate ventilation. Do not take internally. Do not expose to heat or store at temperatures above 120 F. After use, wash hands with soap and water before handling food items.

#### Other Precautions:

Keep container closed tightly when not in use.

### VIII. Exposure Controls/Personal Protection:

#### Ventilation Requirements:

See Section 2 for applicable exposure limits. Use with adequate ventilation. If TLV is exceeded, wear NIOSH approved respirator.

#### Personal Protective Equipment:

For prolonged exposure to the material, wear face shield, gloves, and apron.

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**IX. Physical and Chemical Properties:**

Boiling Point: 212°F

Melting Point: N/A

Evaporation Rate (Butyl Acetate = 1): N/D

Vapor Pressure (mm Hg.): N/D

Specific Gravity (H2O = 1): 1.02550

Vapor Density (AIR = 1): N/D

Solubility In Water: Complete

Appearance and Odor: Clear colorless liquid with ether type odor

Other Information: pH: 10.3

VOC Content: 10%

**X. Stability and Reactivity:**

Stability:

Stable

Incompatibility (Materials to Avoid):

Avoid contact with oxidizers, acids, alkalies, and metals.

Decomposition/By Products:

Normal products of combustion.

Hazardous Polymerization:

Will not occur

**XI. Toxicological Information:**

N/D

**XII. Ecological Information:**

N/D

**XIII. Disposal Considerations:**

DISPOSAL: This container may be recycled in a recycling centers when empty. Before offering for recycling, empty the can or bottle by using the product according to the label. If recycling is not available, wrap the empty container and discard in the trash. Do not dump into sewers, on the ground, or into any body of water. Dispose of unused product in accordance with all local, state government and federal laws and regulations

**XIV. Transport Information:**

DOT Shipping Name: Not DOT regulated.

DOT Hazard Class: None

The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for all shipping purposes.

**XV. Regulatory Information:**

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See Section 2 for SARA Reportable Chemicals.

USA TSCA: All components of this material are listed on the US TSCA Inventory.

New Jersey RTK Label Information:

2-butoxy ethanol (111-76-2)

Pennsylvania RTK Label Information:

2-butoxy ethanol (111-76-2)

### ***XVI. Other Information:***

Do not used in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye.  
KEEP AWAY FROM CHILDREN AND ANIMALS!

N/E: Not Established

N/D: Not Determined

N/A: Not Applicable

N/AV: Not Available

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