



# MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

## Section 1: Product and Company Identification

Product Name: **Radnor Water Based Anti-Spatter (Bulk)**  
Product Identifier: Anti-Spatter  
Product Use: Prevents Spatter Build Up in Welding Operations  
Item Code(s): 64000112, 64000114, 64000116  
MSDS Code: 029R  
Supplier: Radnor  
Physical Address: 259 North Radnor - Chester Road - Suite 100  
Radnor, PA 19087-5283  
Emergency Phone: 866-734-3438  
Date of Preparation: June 23, 2006 (Revised January 18, 2010)  
OSHA Regulatory Status: Not Regulated  
WHMIS Classification: Not Regulated

## Section 2: Composition and Information on Ingredients

HAZARDOUS INGREDIENTS	CAS #	OSHA PEL	ACGIH TLV	LD50 (oral, rat)	LC50 (inhal, rat)	%	OTHER
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None

See Section 16 for Definitions of Terms Used.

## Section 3: Hazard Identification

### EMERGENCY OVERVIEW

THIS MATERIAL IS SUBJECT TO NO HAZARDOUS DECOMPOSITION OR HAZARDOUS POLYMERIZATION. CONTENTS UNDER PRESSURE. STORE BELOW 120°F (49°C), OUT OF SUNLIGHT AND AWAY FROM HEAT SOURCES. STORE ABOVE FREEZING TEMPERATURES DUE TO HIGH WATER CONTENT. DO NOT PUNCTURE OR INCINERATE.

**EYE:** Liquid or vapors may cause redness, burning, tearing, swelling and/or pain.

**SKIN:** Frequent or prolonged contact can result in drying of the skin which may result in skin irritation and dermatitis (rash).

**INGESTION:** Should ingestion occur, no first aid measures are required.

**INHALATION:** No health effects anticipated from vapor inhalation.

**EFFECTS OF ACUTE EXPOSURE:** There are no acute health effects associated by this product.

**EFFECTS OF CHRONIC EXPOSURE:** There are no chronic health effects associated by this product.

**OTHER IMPORTANT HAZARDS:** N/A

**SUGGESTED HMIS RATING:** Health | 0 | Flammability | 0 | Reactivity | 0 | Personal Protection | N |

**SUGGESTED NATIONAL FIRE PROTECTION ASSOCIATION:** Health | 0 | Flammability | 0 | Reactivity | 0 |

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## **Section 4: First Aid Measures**

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INHALATION: No health effects anticipated from inhalation.

INGESTION: If swallowed, do not induce vomiting. Get medical attention immediately.

EYE CONTACT: Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician for definitive treatment.

SKIN CONTACT: Remove with soap and water. Continue flushing with water for several minutes. Use skin cream to counter resulting dryness. Consult a physician if irritation continues.

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## **Section 5: Fire Fighting Measures**

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CONDITIONS OF FLAMMABILITY: Non-Flammable. Product is water based.

MEANS OF EXTINCTION: For warehouse and storage conditions, use NFPA Class B extinguishers (CO<sub>2</sub>, dry chemical or universal aqueous film forming foam).

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus pressure demand.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. Firemen should wear self-contained breathing apparatus.

FLASH POINT / DETERMINATION: None.

UPPER FLAMMABLE LIMIT: N/Ap

LOWER FLAMMABLE LIMIT: N/Ap

AUTO-IGNITION TEMPERATURE: N/Ap

HAZARDOUS COMBUSTION PRODUCTS: N/Ap

EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT: N/Av

EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE: N/Av

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## **Section 6: Accidental Release Measures**

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LEAK / SPILL RESPONSE: Ensure that all spilled material is promptly cleaned up. Absorb with inert material such as vermiculite or paper towels, place in a chemical waste container for eventual disposal. Seal and label the container as waste. Dispose of in accordance with all federal, state, provincial and local regulations.

SPECIAL INSTRUCTIONS: Avoid contact with eyes, or prolonged contact with skin. Wash thoroughly after handling. Keep away from food, and out of reach of small children.

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## **Section 7: Handling and Storage**

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HANDLING PROCEDURES / EQUIPMENT: Safety goggles and rubber gloves recommended.

STORAGE REQUIREMENTS: Store in area below 120°F (49°C) and above freezing due to large water content. Do not incinerate (burn) containers. Assure can is in a secure place to prevent knocking over and accidental rupture. Always replace overcap when not in use. For store of pallet quantities, compliance with ANSI/NFPA 30B is recommended.

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## **Section 8: Exposure Controls / Personal Protection**

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EYE PROTECTION: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact could occur, chemical splash proof goggles are recommended.

SKIN PROTECTION: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing such as rubber gloves..

ENGINEERING CONTROLS: General ventilation (typically 10 air changes for hour) should be used.

EXPOSURE GUIDELINE LEVELS: Since this product is a mixture, an OSHA or ACGIH exposure value is not available. In determination of any exposure procedures, protection or testing use the lowest rated ingredient in Section 2.

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## Section 9: Physical and Chemical Properties

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PHYSICAL STATE:	Liquid / Gas
ODOR and APPEARANCE:	Viscous, straw colored liquid with slight odor
ODOR THRESHOLD:	N/Av
SPECIFIC GRAVITY (H <sub>2</sub> O=1):	< 1
VAPOR PRESSURE (mm HG):	114
VAPOR DENSITY (AIR=1):	4.0
EVAPORATION RATE (BA=1):	< 1
BOILING POINT (°F):	212°F
FREEZE POINT (°F):	N/Av
pH:	N/Av
COEFFICIENT OF WATER/OIL DISTRIBUTION:	N/Av
DENSITY:	N/Av
SOLUBILITY IN WATER (% by weight):	completely miscible
% VOLATILE BY VOLUME:	N/Av
VOC'S:	N/Av

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## Section 10: Stability and Reactivity

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STABILITY: Normally stable.

CONDITIONS TO AVOID: Excessive heating.

MATERIALS TO AVOID (INCOMPATIBILITIES): Water-reactive chemicals such as sodium or potassium.

CONDITIONS OF REACTIVITY: N/Av

HAZARDOUS DECOMPOSITION BY-PRODUCTS: If heated until water is driven off and decomposition begins, this product may release carbon dioxide, carbon monoxide, and oxides of nitrogen and sulphur.

HAZARDOUS POLYMERIZATION: Will not occur.

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## Section 11: Toxicological Information

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LD50 (oral, rat) = N/Av

LC50 (inhalation, rat) = N/Av

ROUTES OF ENTRY: Inhalation [N] Eye Contact [Y] Skin Contact [Y] Skin Absorption [N] Ingestion [N]

EXPOSURE LIMITS: N/Av

IRRITANCY OF PRODUCT: Not known to be irritating.

SENSITIZATION TO PRODUCT / MEDICAL CONDITIONS AGGRAVATED: Not known to cause allergies.

CARCINOGENICITY: No ingredients known to be carcinogens.

TERATOGENICITY / MUTAGENICITY / REPRODUCTIVE TOXICITY: No effects determined.

TOXICOLOGICAL DATA: N/Av

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## Section 12: Ecological Information

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ENVIRONMENTAL EFFECTS: This product has not been tested for environmental effects.

IMPORTANT ENVIRONMENTAL CHARACTERISTICS: N/Av

AQUATIC TOXICITY: N/Av

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## Section 13: Disposal Considerations

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If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations. Collected rinsate materials from spills may be hazardous wastes, and therefore subject to local, state and federal regulations.

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## Section 14: Transportation Information

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THIS MATERIAL IS NON-**HAZARDOUS** (Per 49 CFR 172.101) BY THE U.S. DEPARTMENT OF TRANSPORTATION.

### NON-BULK SHIPMENTS:

PROPER SHIPPING NAME: Welding Compounds  
HAZARD CLASS NUMBER and DESCRIPTION: N/Ap  
UN IDENTIFICATION NUMBER: N/Ap  
PACKING GROUP: N/Ap  
DOT LABEL(S) REQUIRED: N/Ap  
NORTH AMERICAN EMERGENCY RESPONSE  
GUIDEBOOK NUMBER, 1996:

### BULK SHIPMENTS:

PROPER SHIPPING NAME: Welding Compounds  
HAZARD CLASS NUMBER and DESCRIPTION: N/Ap  
UN IDENTIFICATION NUMBER: N/Ap  
PACKING GROUP: N/Ap  
DOT LABEL(S) REQUIRED: N/Ap  
NORTH AMERICAN EMERGENCY RESPONSE  
GUIDEBOOK NUMBER, 1996:

### BOTH SHIPMENTS:

MARINE POLLUTANT: This product does not contain any component designated by the DOT to be a Marine Pollutant (49 CFR 172.101, Appendix B).

TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:

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## Section 15: Regulatory Information

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TOXIC SUBSTANCES CONTROL ACT (TSCA): The product on this MSDS, or all of its components, is listed under TSCA.

SARA TITLE III, SECTION 313: The following ingredients are subject to the reporting requirements of Section 313 of Title III of the Superfund and Reauthorization Act of 1986 and 40 CFR Part 372: None

CLEAN AIR ACT (CAA): The following ingredients appear on the List of Hazardous Air Pollutants (HAP - 42 USC 7412, Title I, Part A, p112): None

CLEAN WATER ACT (CWA): The following ingredients appear on the CWA List of Hazardous Substances (40 CFR 116:4): None

CALIFORNIA PROPOSITION 65: The following ingredients appear of the Proposition 65 list(s): None

NEW JERSEY RIGHT TO KNOW INFORMATION: (5 most predominant ingredients / hazardous & non-hazardous)

Water CAS# 7732-18-5

Lecithin CAS# 8002-43-5

CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS): This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

DOMESTIC SUBSTANCES LIST (DSL): The product on this MSDS, or all of its components, is included in the DSL.

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## Section 16: Other Information

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N/E	Not Established
N/Av	Not Available
N/Ap	Not Applicable
IARC	International Agency for Research on Cancer
ACGIH	American Conference of Governmental Industrial Hygienists
NIOSH	National Institute for Occupational Health and Safety
TLV-TWA	Threshold Limit, Time Weighted Average
NAERG	North American Emergency Response Guidebook
WHMIS	Workplace Hazardous Materials Information System

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This MSDS format meets ANSI Z400.1-1998, OSHA 1910.1200 and WHMIS requirements. KCI provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Product use and conditions of use are beyond the control of KCI. Warranty of materials is limited to test results of product performance as detailed in certificates of compliance. Interpretation of test results is the responsibility of end-user. No other warranties, expressed or implied, are made.