



## 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:	<b>Radnor Untreated Wire Lube Pads</b>
Product Identifier:	Untreated Wire Lube Pads
Product Use:	Reduce friction from wire feeding and improve the weld process in aluminum applications
Item Code(s):	64000145
SDS Code:	010R
Supplier:	Radnor
Physical Address:	259 North Radnor - Chester Road - Suite 100 Radnor, PA 19087-5283
Emergency Phone:	866-734-3438
Date of Preparation:	March 21, 2019
OSHA Regulatory Status:	Not Regulated
WHMIS Classification:	Not Regulated

### Section 2: Hazard Identification

#### EMERGENCY OVERVIEW

NOT CLASSIFIED AS DANGEROUS OR HAZARDOUS. THIS PRODUCT IS CONSIDERED AN "ARTICLE" UNDER 29CFR10910.1200.

EYE: May cause mechanical eye irritation.

SKIN: May cause mechanical skin irritation. Prolonged or repeated exposure may cause redness and dryness.

INGESTION: Very low toxicity if swallowed. No adverse effects are expected from swallowing small amounts.

INHALATION: None known.

EFFECTS OF ACUTE EXPOSURE: May cause mechanical eye and skin irritation.

EFFECTS OF CHRONIC EXPOSURE: Prolonged or repeated exposure may cause redness and dryness of skin.

OTHER IMPORTANT HAZARDS: N/Av

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

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

### Section 3: Composition and Information on Ingredients

CHEMICAL CHARACTERIZATION: Substances

CAS NO. DESCRIPTION: Nonhazardous material

DESCRIPTION: Mixture of the substances listed below with nonhazardous additions.

ADDITIONAL INFORMATION: Exact concentrations and/or compositions are being withheld as trade secrets.

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

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INHALATION: No first aid should be needed.

INGESTION: Rinse mouth with water. Seek medical attention.

EYE CONTACT: If dust gets in the eyes, rinse thoroughly with water, holding the eye lids open to be sure the material is washed out. Get medical attention if irritation persists.

SKIN CONTACT: No first aid should be required. If skin abrasion occurs discontinue use and seek medical attention.

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

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CONDITIONS OF FLAMMABILITY: This product is not combustible.

MEANS OF EXTINCTION: Use any media that is suitable for the surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should always wear self-contained breathing apparatus and full protective clothing for fires involving chemicals or in confined spaces. Cool fire exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This product is not combustible, however, consideration must be given to the potential fire or explosion hazards from the wire being machined. Many materials create flammable or explosive dusts or turnings when machined.

FLASH POINT / DETERMINATION: Not flammable

UPPER FLAMMABLE LIMIT: Not flammable

LOWER FLAMMABLE LIMIT: Not flammable

AUTO-IGNITION TEMPERATURE: Not flammable

HAZARDOUS COMBUSTION PRODUCTS: N/Av

EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT: Not explosive

EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE: Not explosive

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

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LEAK / SPILL RESPONSE: Sweep up or pick up and place in an appropriate container for disposal.

SPECIAL INSTRUCTIONS: Report spill as required by local and federal regulations.

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

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HANDLING PROCEDURES / EQUIPMENT: Use only with adequate ventilation. Avoid breathing dust. Wash thoroughly after handling. Consider potential exposure to components of the wire being machined.

STORAGE REQUIREMENTS: Store in a dry location.

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

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EYE PROTECTION: Safety goggles or face shield over safety glasses with side shields.

SKIN PROTECTION: Cloth or leather gloves recommended to protect against abrasions. Impervious clothing as needed to prevent contamination of personal clothing.

ENGINEERING CONTROLS: Use with adequate general or local ventilation to minimize exposure levels to dust. If dust levels are excessive, wear an approved respirator. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

EXPOSURE GUIDELINE LEVELS: None established.

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## Section 9: Physical and Chemical Properties

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PHYSICAL STATE:	N/Av
ODOR and APPEARANCE:	Gray Wire Pad; No Odor
ODOR THRESHOLD:	N/Av
SPECIFIC GRAVITY (H <sub>2</sub> O=1):	N/Av
VAPOR PRESSURE (mm HG):	N/Av
VAPOR DENSITY (AIR=1):	N/Av
EVAPORATION RATE (BA=1):	N/Av
BOILING POINT (°F):	N/Av
FREEZE POINT (°F):	N/Av
pH:	N/Av
COEFFICIENT OF WATER/OIL DISTRIBUTION:	N/Av
DENSITY:	N/Av
SOLUBILITY IN WATER (% by weight):	Insoluble
% VOLATILE BY VOLUME:	N/Av
VOC'S:	N/Av

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## Section 10: Stability and Reactivity

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STABILITY: Stable under normal storage and handling conditions.

CONDITIONS TO AVOID: N/Av

MATERIALS TO AVOID (INCOMPATIBILITIES): N/Av

CONDITIONS OF REACTIVITY: Not reactive under normal conditions of use.

HAZARDOUS DECOMPOSITION BY-PRODUCTS: Combustion may produce carbon and silicone oxides.

HAZARDOUS POLYMERIZATION: N/Av

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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 [N] Skin Contact [N] Skin Absorption [N] Ingestion [N]

EXPOSURE LIMITS: 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.

IRRITANCY OF PRODUCT: N/Av

SENSITIZATION TO PRODUCT / MEDICAL CONDITIONS AGGRAVATED: N/A

CARCINOGENICITY: NTP [N] IARC Monographs [N] OSHA Regulated [N]  
N/Av

TERATOGENICITY / MUTAGENICITY / REPRODUCTIVE TOXICITY: N/Av

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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Dispose in accordance with local and national environmental 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:  
HAZARD CLASS NUMBER and DESCRIPTION:  
UN IDENTIFICATION NUMBER:  
PACKING GROUP:  
DOT LABEL(S) REQUIRED:  
NORTH AMERICAN EMERGENCY RESPONSE  
GUIDEBOOK NUMBER, 1996:

### BULK SHIPMENTS:

PROPER SHIPPING NAME:  
HAZARD CLASS NUMBER and DESCRIPTION:  
UN IDENTIFICATION NUMBER:  
PACKING GROUP:  
DOT LABEL(S) REQUIRED:  
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 SDS, 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):None

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

DOMESTIC SUBSTANCES LIST (DSL): The product on this SDS, 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 SDS format meets ANSI Z400.1-1998, OSHA 1910.1200 and WHMIS requirements. Radnor 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 Radnor. 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.