



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 Nozzle Gel
Product Identifier:	Nozzle Gel
Product Use:	Prevents Spatter Build Up in Welding Operations
Item Code(s):	64000120, 64000122
SDS Code:	006R
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:	Non-Regulated
WHMIS Classification:	Not a Controlled Product

Section 2: Hazards Identification

Emergency Overview

PHYSICAL STATE: Solid. (Waxy solid.)

COLOR: Colorless. White.

ODOR: Hydrocarbon.

HAZARDS STATEMENTS: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

OSHA/HCS STATUS: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910,1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

ROUTES OF ENTRY: Eyes, Skin, Ingestion, Inhalation.

Potential Acute Health Effects

INHALATION: No known significant effects or critical hazards.

INGESTION: No known significant effects or critical hazards.

SKIN: No known significant effects or critical hazards.

EYES: No known significant effects or critical hazards.

See toxicological information (Section 11)

Section 3: Composition and Information on Ingredients

Name	CAS Number	% By Weight
Petrolatum	8009-03-8	99-100

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First Aid Measures

EYE CONTACT: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.

SKIN CONTACT: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.

INHALATION: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.

INGESTION: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

PROTECTION OF FIRST-AIDERS: No action shall be taken involving any personal risk or without suitable training.

Section 5: Fire Fighting Measures

FLAMMABILITY OF THE PRODUCT: No specific fire or explosion hazard.

EXTINGUISHING MEDIA

SUITABLE: Use an extinguishing agent suitable for the surrounding fire.

NOT SUITABLE: None known.

SPECIAL EXPOSURE HAZARDS: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Decomposition products may include the following materials: carbon dioxide carbon monoxide

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

Section 6: Accidental Release Measures

PERSONAL PRECAUTIONS: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).

ENVIRONMENTAL PRECAUTIONS: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

METHODS FOR CLEANING UP

SMALL SPILL: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

LARGE SPILL: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: See Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7: Handling and Storage

HANDLING: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

STORAGE: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8: Exposure Controls / Personal Protection

Consult local authorities for acceptable exposure limits.

RECOMMENDED MONITORING PROCEDURES: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

ENGINEERING MEASURES: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

HYGIENE MEASURES: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection

RESPIRATORY: Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

HANDS: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

EYES: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

SKIN: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

ENVIRONMENTAL EXPOSURE CONTROLS: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 9: Physical and Chemical Properties

<u>PHYSICAL STATE:</u>	Solid. (Waxy solid.)
<u>FLASH POINT:</u>	Closed cup: 182 to 221°C (359.6 to 429.8°F) Open cup: >200°C (>392°F) (Cleveland)
<u>AUTO-IGNITION TEMPERATURE:</u>	>290°C (>554°F)
<u>FLAMMABLE LIMITS:</u>	Lower: 0.9% Upper: 7%
<u>COLOR:</u>	Colorless. White.
<u>ODOR:</u>	Hydrocarbon.
<u>BOILING/CONDENSATION POINT:</u>	302°C (575.6°F)
<u>MELTING/FREEZING POINT:</u>	55.2°C (131.4°F)
<u>RELATIVE DENSITY:</u>	0.844
<u>VAPOR PRESSURE:</u>	<0.0013 kPa (<0.00975 mm Hg) (room temperature)
<u>VISCOSITY:</u>	Kinematic (40°C (104°F)): >0.25 cm ² /s (>25 cSt)
<u>SOLUBILITY:</u>	Insoluble in the following materials: cold water and hot water.
<u>API GRAVITY @60°F:</u>	31.1
<u>IP346%:</u>	<3%

Section 10: Stability and Reactivity

CHEMICAL STABILITY: The product is stable.

CONDITIONS TO AVOID: No specific data.

INCOMPATIBLE MATERIALS: No specific data.

HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur.

Section 11: Toxicological Information

ACUTE TOXICITY

Product/Ingredient Name	Result	Species	Dose	Exposure
Petrolatum	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

CHRONIC TOXICITY: Not available.

CARCINOGENICITY: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346.

MUTAGENICITY: Not available.

TERATOGENICITY: Not available.

REPRODUCTIVE TOXICITY: Not available.

Section 12: Ecological Information

ECOTOXICITY: This product shows a high bioaccumulation potential.

AQUATIC ECOTOXICITY: Not available.

PERSISTENCE/DEGRADABILITY: Not available.

PARTITION COEFFICIENT: n-octanol/water: 6

BIOCONCENTRATION FACTOR: Not available.

Section 13: Disposal Considerations

WASTE DISPOSAL: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

RCRA CLASSIFICATION: Not Regulated

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14: Transportation Information

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label	Additional Information
DOT Classification	Not Regulated	-	-	-		Remarks May ship as HOT using UN3257, Elevated Temperature Liquid, n.o.s. (Petrolatum), 9, PGIII
IMDG Class	Not Regulated	-	-	-	-	-
IATA-DGR Class	Not Regulated	-	-	-	-	-

PG*: Packing Group

Section 15: Regulatory Information

HCS CLASSIFICATION: Not Regulated.

U.S. FEDERAL REGULATIONS:

TSCA 8(a) CDR Exempt/Partial Exemption: This material is listed or exempted.

United States Inventory (TSCA 8b): This material is listed or exempted.

SARA 302/304: No products were found.

SARA 311/312 Hazards Identification: Not regulated.

CLEAN AIR ACT SECTION 112 (b) HAZARDOUS AIR POLLUTANTS (HAPS): Not listed.

CLEAN AIR ACT SECTION 602 CLASS I & II SUBSTANCES: Not listed.

DEA LIST I CHEMICALS (PRECURSOR CHEMICALS): Not listed.

DEA LIST II CHEMICALS (ESSENTIAL CHEMICALS): Not listed.

State Regulations

MASSACHUSETTS: This material is not listed.

NEW YORK: This material is not listed.

NEW JERSEY: This material is not listed.

PENNSYLVANIA: This material is not listed.

CALIFORNIA PROP. 65: This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Canada

WHMIS (CANADA): Not controlled under WHMIS (Canada)

Canadian Lists

CANADIAN NPRI: This material is not listed.

CEPA TOXIC SUBSTANCES: This material is not listed.

CANADA INVENTORY (DSL): This material is listed or exempted.

International Regulations

International Lists

AUSTRALIA INVENTORY (AICS): This material is listed or exempted.

CHINA INVENTORY (IECSC): This material is listed or exempted.

JAPAN INVENTORY: Not determined.

KOREA INVENTORY: This material is listed or exempted.

MALAYSIA INVENTORY (EHS REGISTER): Not determined.

NEW ZEALAND INVENTORY OF CHEMICALS (NZIoC): This material is listed or exempted.

PHILIPPINES INVENTORY (PICCS): This material is listed or exempted.

TAIWAN INVENTORY (CSNN): Not determined.

EUROPE INVENTORY (EINECS): This material is listed or exempted.

CHEMICAL WEAPONS CONVENTION LIST SCHEDULE I CHEMICALS: Not listed.

CHEMICAL WEAPONS CONVENTION LIST SCHEDULE II CHEMICALS: Not listed.

CHEMICAL WEAPONS CONVENTION LIST SCHEDULE III CHEMICALS: Not listed.

Section 16: Other Information

LABEL REQUIREMENTS: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

HAZARDOUS MATERIAL INFORMATION SYSTEM (U.S.A.) (HMIS):

Health 1 0 1 Flammability 1 1 1 Physical Hazards 1 0 1

CAUTION: HMIS® ratings are based on a 0 - 4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

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.