

MATERIAL SAFETY DATA SHEET FOR RADNOR® NOZZLE GEL

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : RADNOR® NOZZLE GEL
PRODUCT USE : PREVENTS SPATTER BUILD UP
PART NUMBER(S) : 64000120, 64000122
ADDRESS : RADNOR WELDING PRODUCTS
259 N. RADNOR-CHESTER ROAD SUITE 100
RADNOR, PA 19087-5283
EMERGENCY TELEPHONE : 866-734-3438
PREPARATION DATE : NOVEMBER 01, 2006
OSHA REGULATORY STATUS : NOT REGULATED
WHMIS CLASSIFICATION : NOT REGULATED

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS	OSHA PEL	ACGIH TLV	LD50 SPECIES/ROUTE	LC50 SPECIES/ROUTE	%WT
NONE						

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

EYE: This product is minimally irritating to the eyes for direct contact based on testing of similar products and/or components.
SKIN: This product is minimally irritating to the skin upon direct contact based on testing of similar products and/or components.
INGESTION: Do not ingest. This material is essentially inert and non-toxic. This product has laxative properties and may result in abdominal cramps and diarrhea.
INHALATION: This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting of this product.
EFFECTS OF ACUTE EXPOSURE: N/Av
EFFECTS OF CHRONIC EXPOSURE: N/ Av
OTHER IMPORTANT HAZARDS: N/Av
SUGGESTED HMIS RATING: HEALTH | 0 | FLAMMABILITY | 1 | REACTIVITY | 0 | PERSONAL PROTECTION | A |

SECTION 4. FIRST AID MEASURES

INHALATION: This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions. If vapor or mist is generated when the material is heated or handled, remove victim from exposure.
INGESTION: Do not induce vomiting. Call a physician.
EYE CONTACT: Immediately flush with plenty of clear water for at least 15 minutes. If material is hot, treat for thermal burns and take victim to hospital immediately.
SKIN CONTACT: Remove with soap and water. Continue flushing with water for several minutes. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately.

SECTION 5. FIRE FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY: Heat, sparks, flame, red hot metal.
MEANS OF EXTINCTION: Use CO₂, dry chemical or universal aqueous film forming foam.
SPECIAL FIRE FIGHTING PROCEDURES: Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot burning liquid.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.
FLASH POINT / DETERMINATION: > 400 °F (204.4°C)
UPPER FLAMMABLE LIMIT: N/Av
LOWER FLAMMABLE LIMIT: N/Av
AUTO-IGNITION TEMPERATURE: N/Av
HAZARDOUS COMBUSTION PRODUCTS: N/Av
EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT: N/Av
EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE: N/Av

SECTION 6. ACCIDENTAL RELEASE MEASURES

LEAK / SPILL RESPONSE: In case of rupture, released content should be contained as any other spill. Soak up material with inert absorbent and place in safety containers for proper disposal.

SPECIAL INSTRUCTIONS: None. See Section 13 for disposal considerations.

SECTION 7. HANDLING AND STORAGE

HANDLING PROCEDURES / EQUIPMENT: None.

STORAGE REQUIREMENTS: Store in closed containers away from heat, sparks, open flame, or oxidizing materials.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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 Sol-Vex® gloves or other clothing impervious to the ingredient listed in Section 2.

ENGINEERING CONTROLS: General ventilation (typically 10 air changes for hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system, may be needed to control air contamination below that of the lowest TLV/PEL rated ingredient from Section 2.

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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	: Semi-solid
ODOR AND APPEARANCE	: Blue paste / gel, no odor
ODOR THRESHOLD	: N/Av
SPECIFIC GRAVITY (H ₂ O=1)	: Below 1.0
VAPOUR PRESSURE (mm HG)	: N/Av
VAPOUR DENSITY (AIR=1)	: N/Av
EVAPORATION RATE (EE=1)	: < 1
BOILING POINT (°F)	: 650°F (343°C)
FREEZING POINT (°F)	: N/Av
pH	: N/Av
COEFFICIENT OF WATER/OIL	
DISTRIBUTION	: N/Av
DENSITY	: N/Av
SOLUBILITY IN WATER	: 0.900
% VOLATILE BY VOLUME	: N/Av
VOC'S	: None

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: None

MATERIALS TO AVOID (INCOMPATIBILITIES): Strong oxidizing materials.

CONDITIONS OF REACTIVITY: N/Av

HAZARDOUS DECOMPOSITION BYPRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

LD50: N/Av

LC50: N/Av

ROUTES OF ENTRY: INHALATION[Y] EYE CONTACT[Y] SKIN CONTACT[Y] SKIN ABSORPTION[Y] 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/Av

CARCINOGENICITY: This product is not carcinogenic according to the OSHA communication standard.

TERATOGENICITY / MUTAGENICITY / REPRODUCTIVE TOXICITY: N/Av

TOXICOLOGICAL DATA: N/Av

SECTION 12. ECOLOGICAL INFORMATION

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

IMPORTANT ENVIRONMENTAL CHARACTERISTICS: N/Av

AQUATIC TOXICITY: N/Av

SECTION 13. DISPOSAL CONSIDERATIONS

If containers are to be disposed of (not recycled) follow local regulatory laws for proper disposal.

SECTION 14. TRANSPORTATION INFORMATION

SPECIAL SHIPPING INFORMATION : N/Av

DOT HM-181 SHIPPING INFORMATION

PROPER SHIPPING NAME : Not Regulated

HAZARD CLASS OR DIVISION : none

UN NUMBER : none

PACKAGING GROUP : none

LABEL(S) REQUIRED : none

TDG SHIPPING INFORMATION

TDG SHIPPING NAME : Not Regulated

TDG CLASSIFICATION : none

UN NUMBER : none

PACKING GROUP : none

LABEL(S) REQUIRED : none

NAERG : none

EMERGENCY TELEPHONE NUMBER : (613) 996-6666

INTERNATIONAL TRANSPORT INFORMATION

PROPER SHIPPING NAME : Not Regulated

CLASS OR DIVISION : none

SUBSIDIARY RISK : none

HAZARDOUS LABEL(S) : none

PACKAGING GROUP : none

UN OR ID NUMBER : none

SECTION 15. REGULATORY INFORMATION

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 on the Proposition 65 list(s): None
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.
NEW JERSEY RIGHT TO KNOW (TITLE 34:5A-1): USP Petrolatum (CAS 8009-03-08), Solvent Blue 36 (CAS 14233-37-5)

SECTION 16. OTHER INFORMATION

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 Values, Time Weighted Average
NAERG	North American Emergency Response Guidebook
WHMIS	Workplace Hazardous Materials Information System

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 our control. 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

EFFECTIVE: NOVEMBER 01, 2006

(C:\NOZZEL GEL.06) PAGE 4 OF 4