


MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet (MSDS) complies with the requirements of OSHA's Hazard Communication Standard.

For a MSDS in ANSI Z400.1 format, please call 888-838-0615 or visit the Airgas Web site at: www.airgas.com

NOZZLE GEL				
		Emergency Phone Number: 800-424-9300		
Date: February 1, 2004		Product Information Number: 888-838-0615		
SECTION 1 – PRODUCT IDENTIFICATION				
Product Name/Class	Nozzle Gel/Petroleum Gel			
Product Number	004006			
Manufacturer	Radnor Welding Products 259 N. Radnor-Chester Road Suite 100 Radnor, PA 19087-5283			
SECTION 2 – HAZARDOUS INGREDIENTS				
Ingredient	CAS Number	Percent	Exposure Limits	
			TLV	PEL
No Hazardous Ingredients	N/A	100	N/A	N/A
The ingredients in this product are not listed in 29 CFR 1910 Subpart 2 nor do they appear in "Threshold Limit Values for Chemical Substances in the work environment adopted by ACGIH for 1985-86."				
NE = Not Established				
SECTION 3 – PHYSICAL CHARACTERISTICS				
Boiling Point: N/A	Specific Gravity (H ₂ O = 1): .815 - .880	Solubility in Water : Insoluble		
Vapor Pressure (mm Hg): N/A	Melting Point: 100.4 – 140°F	%Volatile: N/A		
Vapor Density (Air = 1): N/A	Evaporation Rate (Butyl Acetate=1): N/A	Appearance and Odor: Opaque, odorless, blue gel.		
SECTION 4 – FIRE and EXPLOSION HAZARD DATA				
Flash Point (Method Used): Greater than 390° F.	Flammable Limits:	LEL: NE UEL: NE		
Extinguishing Media: Carbon dioxide, dry chemical or foam.				
Special Fire Fighting Procedures: Pressure-demand, self-contained protection should be provided. Water spray is an unsuitable extinguishing agent.				
Unusual Fire and Explosion Hazards: None. Product is primarily a hydrocarbon-based gel, which can burn rapidly if exposed to high temperatures (above 390° F).				
SECTION 5 – REACTIVITY DATA				
Stability	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>	Conditions to Avoid: Exposure to temperatures above 390° F.		
Incompatibility (Materials to Avoid): This product is not compatible with strong oxidizing agents.				
Hazardous Decomposition or Byproducts: Carbon oxides; a variety of organic molecules.				
Hazardous Polymerization	May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid: N/A		
SECTION 6 – HEALTH HAZARD DATA				
Routes of Entry: <input type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Skin <input type="checkbox"/> Ingestion				
Health Hazards (Acute and Chronic): None				
Carcinogenicity: No NTP: N/A IARC: N/A OSHA Regulated: N/A				
Signs and Symptoms of Exposure: Not Established				
Medical Conditions Generally Aggravated by Exposure: Not Established				
Emergency and First Aid Procedures: Eyes: flush eyes with water for 15 minutes. Skin: wash with soap & water. Inhalation: remove to fresh air. Call physician. Ingestion: drink water.				
HMIS Rating	HMIS Scale	NFPA Rating	NFPA Scale	
Health = 0	4 = Severe Hazard	Health = 0	4 = Severe Hazard	
Flammability = 1	3 = Serious Hazard	Flammability = 1	3 = Serious Hazard	
Reactivity = 0	2 = Moderate Hazard	Reactivity = 0	2 = Moderate Hazard	
	1 = Slight Hazard	Other = 0	1 = Slight Hazard	
	0 = Minimal Hazard		0 = Minimal Hazard	

SECTION 7 – PRECAUTIONS for SAFE HANDLING and USE		
Steps to Be Taken in Case Material Is Released or Spilled: Shut off leak and dike up large spills. After cooling and solidification, scrape and/or shovel up material. Finally, clean area with an oil absorbent material.		
Waste Disposal Method: Dispose of in accordance with local, state, and federal regulations.		
Precautions to Be Taken In Handling and Storing: All employees who handle this material should be trained to handle it safely. Avoid exposing this material to strong oxidizers, open flames, hot surfaces, or other sources of ignition.		
Store this product in a cool, dry location, away from direct sunlight, sources of intense heat (250°F maximum). Store away from incompatible chemicals. Keep container tightly closed when not in use. Inspect all incoming containers before storage to ensure they are properly labeled and not damaged.		
Other Precautions: Do not store or use this product in oxygen-rich environments. Do not handle oxygen cylinders, regulators, or other equipment with gloves or hands that are contaminated with this product.		
SECTION 8 – CONTROL MEASURES		
Respiratory Protection (<i>Specify Type</i>): None required.		
Ventilation	Local Exhaust: N/A	Special: N/A
	Mechanical: (General) N/A	Other: N/A
Protective Gloves: Wear standard leather	Eye Protection: Safety glasses or goggles. Wear a face shield if product is molten.	
Other Protective Clothing or Equipment: When molten, wear coveralls.		
Work/Hygienic Practices: This product works best on GMAW welding applications where the gun nozzle and components do not exceed flash point (390° F.). Spray-transfer/FCAW applications can heat gun nozzle well above flash point and spontaneous ignition can occur. Gun nozzle should be above 140° F. and below 390° F before immersion in product. When immersing gun nozzle, the operator should be aware of the potential for spontaneous combustion, and keep their head, face and exposed skin clear of the product container.		
OTHER INFORMATION REQUIRED BY STATE OR FEDERAL LAW		
California Proposition 65 Information: The components of this product are not on the California Proposition 65 lists.		
New Jersey Right-To-Know Information: 5 most predominant ingredients/hazardous and non-hazardous) 1. USP Petrolatum CAS #8009-03-8; 2. Anthraquinone Blue Dye CAS #14233-37-5		
SARA Title III Notification Information: All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Super Fund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.		
Disclaimer of Expressed and Implied Warranties: The information in this document is believed to be correct as of the date issued. However, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product, or the hazards related to its use.		