Printing date 10/23/2014

Reviewed on 10/23/2014

1 Identification

- Trade name: <u>RADNOR® NOZZLE GEL</u>
- · Article number: 64000120, 64000122
- · MSDS Number: 215
- · Relevant identified uses of the substance: PREVENTS SPATTER BUILD UP
- Manufacturer/Supplier:
- ADDRESS :

RADNOR WELDING PRODUCTS 259 N. RADNOR-CHESTER ROAD SUITE 100 RADNOR, PA 19087-5283

· Information department: http://www.airgas.com/

· Emergency telephone number: 866-734-3438

2 Hazard(s) identification

• Classification of the substance or mixture: This product is not classified as hazardous according to the Globally Harmonized System (GHS).

- · Label elements
- · GHS label elements Not Available
- · Signal word: Not Available
- · Hazard statements: Not Available
- NFPA ratings (scale 0 4):



3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description: Mixture of the substances listed below with nonhazardous additions.
- · Dangerous components: Not Available
- · Additional information: Exact concentrations are being withheld as trade secrets.

4 First-aid measures

- · General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- Most important symptoms and effects, both acute and delayed: No further relevant information available.
- Indication of any immediate medical attention and special treatment needed: No further relevant information available.

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5 Fire-fighting measures

- · Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture: No further relevant information available.
- · Protective equipment: No special measures required.

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures: Not required.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up: Pick up mechanically.
- · Reference to other sections:
- No dangerous substances are released.
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

7 Handling and storage

- · Precautions for safe handling: No special measures required.
- Information about protection against explosions and fires: No special measures required.
- Storage
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- Specific end use(s): No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- · Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- · Additional information: The lists that were valid during the creation were used as basis.
- · Personal protective equipment
- · General protective and hygienic measures:
- The usual precautionary measures for handling chemicals should be followed.
- Breathing equipment: Not required.
- · Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

• Material of gloves:

Protective gloves not normally required. People with sensitive skin may prefer to wear water-proof gloves, such as rubber or neoprene, to avoid skin contact.

• Eye protection: Not required.

9 Physical and chemical properties

· Form: · Color: Semi-solid Blue

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· Odor: Odorless · Odour threshold: Not determined. · pH-value: Not applicable. · Change in condition Melting point/Melting range: · Melting point/Boiling range: Undetermined. Boiling point/Boiling range: 343 °C · Flash point: > 204 °C · Flash point: > 204 °C · Flammability (solid, gaseous): Not determined. · Ignition temperature: Not determined. · Logenposition temperature: Not determined. · Auto igniting: Product is not selfigniting. · Danger of explosion: Product does not present an explosion hazard. · Explosion limits Lower: Lower: Not determined. · Upper: Not determined. · Vapor pressure: Not applicable. · Vapor pressure: Not applicable. · Vapour density: Not applicable. · Evaporation rate at 20 °C: <1 (BA=1) · Solubility in / Miscibility with Insoluble. · Partition coefficient (n-octanol/water): Not determined. . · Viscosity:: Dot applicable. · Visicosity:: <		(Contd. of page 2)			
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· Viscosity:	Water:	Insoluble.			
	· Partition coefficient (n-octanol/water): Not determined.				
Dvnamic: Not applicable.					
	Dynamic:	Not applicable.			
Kinematic: Not applicable.	Kinematic:	Not applicable.			
· Solvent content:	· Solvent content:				
Organic solvents: 0.0 %	Organic solvents:	0.0 %			
Solids content: 100.0 %	Solids content:	100.0 %			
• Other information No further relevant information available.	 Other information 	No further relevant information available.			

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

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11 Toxicological information

- · Information on toxicological effects:
- · Acute toxicity
- · Primary irritant effect
- on the skin: No irritant effect.
- · on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

- · OSHA-Ca (Occupational Safety & Health Administration)
- None of the ingredients is listed.

12 Ecological information

- Aquatic toxicity: No further relevant information available.
- Persistence and degradability: No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- · Mobility in soil: No further relevant information available.
- · Additional ecological information
- · General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· Other adverse effects: No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- Recommendation: Smaller quantities can be disposed of with household waste.
- · Uncleaned packagings
- Recommendation:

Place in a sealed container and label as waste. Place in a safe area, and comply with all federal, state, provincial and local regulations for disposal.

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4 Transport information		
· UN-Number · DOT, TDG, ADN, IMDG, IATA	Not regulated	
 · UN proper shipping name · DOT, TDG, ADN, IMDG, IATA 	Not regulated	
· Transport hazard class(es)		
· DOT, TDG, ADN, IMDG, IATA · Class	Not regulated	
 Packing group DOT, TDG, IMDG, IATA 	Not regulated	
 Environmental hazards: Marine pollutant: 	No	
· Special precautions for user:	Not applicable.	
 Transport in bulk according to Annex MARPOL73/78 and the IBC Code: 	II of Not applicable.	
· UN "Model Regulation":	-	

15 Regulatory information

 \cdot Safety, health and environmental regulations/legislation specific for the substance or mixture \cdot Sara

Section 355	(extremely	hazardous	substances):
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None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency):

None of the ingredients is listed.

• TLV (Threshold Limit Value established by ACGIH):

None of the ingredients is listed.

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Safety Data Sheet acc. to OSHA HCS & WHMIS

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• NIOSH-Ca (National Institute for Occupational Safety and Health):	
None of the ingredients is listed.	
· Canadian substance listings	
Canadian Domestic Substances List (DSL):	
All ingredients are listed.	
· Canadian Ingredient Disclosure list (limit 0.1%):	
None of the ingredients is listed.	
· Canadian Ingredient Disclosure list (limit 1%):	
None of the ingredients is listed.	
· GHS label elements Not Available	
Hazard pictograms Not Available	
Signal word Not Available	
· Hazard statements Not Available	
16 Other information	

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.

- · Department issuing MSDS: Product safety department
- · Contact:
- Stephen Nowicki
- N/Av
- · Date of preparation / last revision 10/23/2014 / -
- Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA)