

MSDS - Material Safety Data Sheet**Product Name: GENERAL PURPOSE DEGREASER**

MSDS No.: GP2A

I. Basic Information:**Manufacturer:** RADIATOR SPECIALTY COMPANY**Address:** 600 RADIATOR ROAD**City, ST Zip:** INDIAN TRAIL, NC 28079**Country:****Contact:** Robert Geer**Information Telephone Number:** 704-684--181 1**Emergency Contact:** RMPDC (877-740-5015)**Emergency Telephone Number:** 303-623-5716**Emergency Restrictions:****Product Name:** GENERAL PURPOSE DEGREASER**MSDS No.:** GP2A**Issue Date:** 06/28/2012**Supersedes Date:** 02/27/2007**II. Hazards Identification:****EMERGENCY OVERVIEW**

DANGER: Harmfull if swallowed. Eye and Skin Irritant.

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects**Route(s) of Entry:**

Absorption, Eye, Inhalation, and Ingestion.

Health Hazards (Acute and Chronic):

See signs and symptoms below

Signs and Symptoms:

Eye Contact: Irritant. Prolonged contact may cause conjunctivitis.

Skin Contact: Irritant. Defatting of tissue, dermatitis may occur.

Inhalation: Irritant to mucous membranes. Repeated exposure may cause narcosis..

Ingestion: HARMFUL IF SWALLOWED. May cause burns to mouth, throat & stomach.

Medical Conditions Generally Aggravated by Exposure:

None known

Other Health Warnings:

Vomiting and subsequent aspiration into the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition.

Potential Environmental Effects

Not Available

III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
2-Butoxyethanol	111-76-2	1.0 - 5.0	
9-Octadecenoic acid	112-80-1	1.0 - 5.0	
Aromatic Petroleum Distillate	64742-95-6	1.0 - 5.0	
Diethanolamine	111-42-2	0.1 - 1.0	
Sodium hydroxide	1310-73-2	1.0 - 5.0	
Triethanolamine	102-71-6	1.0 - 5.0	

IV. First Aid Measures:**Emergency and First Aid Procedures:**

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Eye Contact: Flush eyes with clean water for 15 minutes while lifting eyelids. Get prompt medical attention.

Skin Contact: Wash with soap and water thoroughly. If adverse effects persist, get prompt medical attention. Launder contaminated clothing before reuse.

Inhalation: Remove to fresh air. If breathing becomes difficult give oxygen and get prompt medical attention.

Ingestion: DO NOT INDUCE VOMITING! Call Poison Control Center, physician, or hospital emergency room immediately.

Note to Physicians:

N/E

V. Fire Fighting Measures:**Suitable Extinguishing Media:**

Water Fog, Foam, Carbon Dioxide, Dry Chemical

Unsuitable Extinguishing Media:

Do not use forced water stream as this could cause the fire to spread.

Products of Combustion:

Normal products of combustion: carbon monoxide, carbon dioxide and nitrogen oxides.

Protection of Firefighters:

Wear self-contained positive pressure breathing apparatus and protective clothes.

VI. Accidental Release Measures:**Personal Precautions:**

Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental Precautions:

Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred. Run off to sewer may create fire or explosion hazard.

Methods for Containment:

Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc).

Methods for Cleanup:

Using a non-metallic scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid using an explosion proof vacuum to recover material.

Other Information:

If run-off occurs, notify proper authorities as required that a spill has occurred.

VII. Handling and Storage:**Handling Precautions:**

Handling: Use with adequate ventilation and proper protective equipment.

Do not use near fire, sparks, or flame. Avoid contact with eyes and skin.

Storage Precautions:

Store in cool, well ventilated area below 120°F away from heat sources. Avoid contact with alkalis and strong oxidizing agents. Keep containers tightly closed.

VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
2-Butoxyethanol	25 ppm	25 ppm	Not Available
Triethanolamine	N/E	5 mg/m ³	Not Available
9-Octadecenoic acid	N/A	N/A	10 mg/m ³
Sodium hydroxide	2 mg/m ³	2 mg/m ³	Not Available
Aromatic Petroleum Distillate	N/E	25 ppm	Not Available
Diethanolamine	N/D	N/D	N/D

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Engineering Controls:

See above Section for applicable exposure limits. Use with adequate ventilation. If TLV is exceeded, wear NIOSH approved respirator.

Personal Protective Equipment:

Protective Gloves: Neoprene coated cotton gloves or Nitrile rubber chemical gloves.

Eye Protection: Safety glasses. For bulk use chemical splash goggles.

Other Protective Clothing: Impervious clothing and rubber boots. Long sleeves, long pants, rubber apron.

Other Protective Equipment: Emergency Eye Wash Fountain.

IX. Physical and Chemical Properties:

Boiling Point: 190 F

Boiling Range: N/D

Solubility In Water: Emulfifies

Flash Point: 170 F

Odor Threshold: N/D

Vapor Density (AIR = 1): N/D

pH Range: 9.5 - 10.0

Decomposition Temp: N/D

Lower Explosive Limit: N/D

Specific Gravity (H2O = 1): 1.01

Other Information: N/D

Melting Point: N/A

Freezing Point: N/D

Evaporation Rate (Butyl Acetate = 1): N/D

Flash Point Method: TCC

Appearance and Odor: Clear pale green liquid with mild odor

Vapor Pressure (mm Hg.): N/D

Partition Coefficient: N/D

Auto-Ignition Temp: N/D

Upper Explosive Limit: N/D

X. Stability and Reactivity:

Stability:

Stable

Conditions to Avoid:

Avoid heat, sparks or flames. Also avoid incompatible material listed below

Incompatible Materials:

Avoid alkalis and strong oxidizing agents.

Hazardous Decomposition Products:

Normal products of combustion: carbon monoxide, carbon dioxide and nitrogen oxides.

Possibility of Hazardous Reactions:

Will not occur

XI. Toxicological Information:

N/D

XII. Ecological Information:

N/D

XIII. Disposal Considerations:

DISPOSAL: This container may be recycled in a recycling centers when empty. Before offering for recycling, empty the can or bottle by using the product according to the label. If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with all local, state government and federal laws and regulations

XIV. Transport Information:

Shipping Name: Not Available

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DOT Hazard Class: Not Available

DOT Subsidiary Hazard Class: Not Available

UN/NA#: Not Available

Packing Group: Not Available

Transportation Information:

DOT Shipping Name: Not DOT regulated.

DOT Hazard Class: None

The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for all shipping purposes.

XV. Regulatory Information:

SARA 313 Reportable Chemicals.
 2 Butoxyethanol (111-76-2)
 Aromatic Petroleum Solvent (64742-95-6)
 Diethanolamine (111-42-2)

USA TSCA: All components of this material are either exempt or listed on the US TSCA Inventory

Warning: This product contains a chemical(s) known to the State of California to cause cancer.

State RTK Chemical:

Sodium Hydroxide 1310-73-2

Diethanolamine (111-42-2)

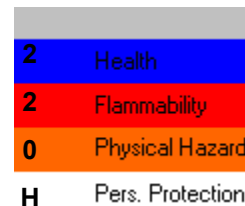
XVI. Other Information:

Chemical State: Liquid Gas Solid
Chemical Type: Pure Mixture
Hazard Category: Acute Chronic Fire Pressure Reactive

**Additional Manufacturer Warnings:**

Do not used in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye. KEEP AWAY FROM CHILDREN AND ANIMALS!

N/E: Not Established
 N/D: Not Determined
 N/A: Not Applicable
 N/AV: Not Available

**Additional Product Information:**

While Radiator Specialty Company believes this data is accurate as of the revision date, we make no warranty with respect to the data and we expressly disclaim all liability for reliance thereon. The data is offered solely for information, investigation, and verification. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this MSDS. The user is responsible for full compliance.