

MSDS - Material Safety Data Sheet**Product Name: SOLDER SEAL/ GUNK CONCENTRATED CLEANER
DEGREASER**

MSDS No.: CL32

I. Basic Information:**Manufacturer:** RADIATOR SPECIALTY COMPANY**Contact:** Robert Geer**Address:** 600 RADIATOR ROAD**Information Telephone Number:** 704-684--181 1**City, ST Zip:** INDIAN TRAIL, NC 28079**Emergency Contact:** Rocky Mountain Poison Control Center**Country:****Emergency Telephone Number:** 303-623-5716**Emergency Restrictions:****Product Name:** SOLDER SEAL/ GUNK CONCENTRATED CLEANER DEGREASER**MSDS No.:** CL32**Issue Date:** 02/18/2009**Supersedes Date:** 01/31/2008**II. Hazards Identification:****EMERGENCY OVERVIEW**

Danger: Harmful if swallowed. Eye and Skin Irritant

OSHA Regulatory Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product.

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: Vapors may be irritating or harmful to eyes. Direct contact may cause eye permanent damage.

Skin Contact: Product may cause irritation due to defatting of skin.

Inhalation: High concentration of vapors may irritate nose and throat and cause headaches and nausea.

Ingestion: Can cause irritation, gastric disturbances, and nausea..

Ingestion: Irritating to throat and stomach

Medical Conditions Generally Aggravated by Exposure:

None known

Other Health Warnings:

None known

Potential Environmental Effects

Not Available

III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
Lauryldimethylamine oxide	1643-20-5	1.0 - 5.0	
Sodium Silicate	1344-09-8	1.0 - 5.0	
Sodium Tripoly Phosphate	7758-29-4	0.1 - 1.0	
Tripropylene Glycol Monomethyl Ether	25498-49-1	1.0 - 5.0	

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

MSDS - Material Safety Data Sheet

Product Name: SOLDER SEAL/ GUNK CONCENTRATED CLEANER DEGREASER

MSDS No.: CL32

Eye Contact: Flush eyes with water for 15 minutes while lifting upper and lower eyelids and get prompt medical attention.

Skin Contact: Wash with soap and water. If irritation persists, get prompt medical attention.

Inhalation: Move to fresh air. If breathing becomes difficult get prompt medical attention.

Ingestion: Drink water, citrus juices or milk. 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:

This material is compatible with all extinguishing media

Products of Combustion:

Carbon dioxide, carbon monoxide, and traces of sulfur dioxide at high temperatures.

Protection of Firefighters:

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

VI. Accidental Release Measures:

Personal Precautions:

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.

Methods for Containment:

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

Methods for Cleanup:

Using a scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid 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:

Use with adequate ventilation. Do not take internally. Keep container closed tightly when not in use. Contact lenses may cause further damage in case of splash into eye.

Storage Precautions:

Do not store with oxidizers. Do not store above 120°F. Keep container closed.

VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Tripropylene Glycol Monomethyl Ether	N/E	N/E	Not Available
Lauryldimethylamine oxide	Not Available	Not Available	Not Available
Sodium Tripoly Phosphate	N/E	N/E	10 mg/m3
Sodium Silicate	N/D	N/D	Not Available

MSDS - Material Safety Data Sheet

Product Name: SOLDER SEAL/ GUNK CONCENTRATED CLEANER DEGREASER

MSDS No.: CL32

Engineering Controls:

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

Personal Protective Equipment:

Wear protective safety glasses, gloves, and apron.

IX. Physical and Chemical Properties:

Boiling Point: 212°

Boiling Range: Not Available

Solubility In Water: Complete

Flash Point: None

Odor Threshold: Not Available

Vapor Density (AIR = 1): N/A

pH Range: 9.0 - 10.0

Decomposition Temp: Not Available

Lower Explosive Limit: N/A

Specific Gravity (H2O = 1): 1.05

Other Information:

VOC Contents: 0 %

Melting Point: N/A

Freezing Point: Not Available

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

Flash Point Method: N/A

Appearance and Odor: Clear water white liquid with glycol ether odor

Vapor Pressure (mm Hg.): N/A

Partition Coefficient: Not Available

Auto-Ignition Temp: Not Available

Upper Explosive Limit: N/A

X. Stability and Reactivity:

Stability:

Stable

Conditions to Avoid:

See Incompatible materials listed below.

Incompatible Materials:

Avoid contact with oxidizing agents.

Hazardous Decomposition Products:

Carbon dioxide, carbon monoxide, and traces of sulfur dioxide at high temperatures.

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

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XIV. Transport Information:

Shipping Name: Not Available

DOT Hazard Class: Not Regulated

DOT Subsidiary Hazard Class: Not Available

UN/NA#: Not Available

Packing Group: Not Available

Transportation Information:

Shipping Name: Not Regulated

Class: Not Regulated

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

ICAO/IATA (US)

Not regulated

International:

ICAO/IATA

Not regulated

IMDG

Not regulated

XV. Regulatory Information:

SARA 313 Reportable Chemicals:

None

USA TSCA: All components of this material are listed on the US TSCA Inventory.

State RTK Chemical:

None

XVI. Other Information:

Chemical State: Liquid Gas Solid

Chemical Type: Pure Mixture

Hazard Category:

Acute Chronic Fire

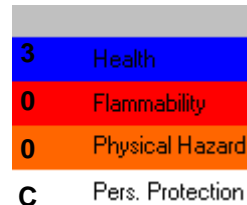
Pressure Reactive



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.