

MSDS - Material Safety Data Sheet**Product Name: SWAB POWDERED CONCRETE CLEANER**

MSDS No.: SW4

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:** SWAB POWDERED CONCRETE CLEANER**MSDS No.:** SW4**Issue Date:** 10/14/2008**Supersedes Date:** 09/08/2005**II. Hazards Identification:****EMERGENCY OVERVIEW**

Danger: Corrosive, Harmful or Fatal if Swallowed, Eye and Skin Irritant. Avoid inhalation of dust.

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):

Considered to be harmful by all routes of exposure. See signs and symptoms below.

Signs and Symptoms:

EYE CONTACT: Can cause eye burns. SKIN CONTACT: Can cause skin burns .

INHALATION: Inhalation of dust can cause irritation of mucous membranes and throat and lung damage. INGESTION May cause severe burns of mouth, throat, and stomach. Death may result.

Medical Conditions Generally Aggravated by Exposure:

None known

Other Health Warnings:

N/E

Potential Environmental Effects

Not Available

III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
Ethoxylated Nonyl Phenol	9016-45-9	1.0 - 5.0	
N.T.A.	1102-71-6	0.1 - 1.0	
Sodium carbonate	497-19-8	10.0 - 30.0	
Sodium metasilicate pentahydrate	10213-79-3	60.0 - 100.0	

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

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

Ingestion: Drink water or milk. Call Poison Control Center, physician, or hospital emergency room immediately.

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Note to Physicians:

N/E

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

This material is compatible with all extinguishing media

Unsuitable Extinguishing Media:

This material is compatible with all extinguishing media

Products of Combustion:

This product is not combustible

Protection of Firefighters:

The following protective equipment for fire fighters is recommended when this material is present in the area of a fire: chemical goggles, body-covering protective clothing, chemical resistant gloves and rubber boots.

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

The following protective equipment is recommended when this material is present in a spill: chemical goggles, body-covering protective clothing, chemical resistant gloves and rubber boots. NIOSH-approved dust respirator where dust occurs.

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. Neutralize remaining traces of material and flush with water followed by liberal covering with sodium bicarbonate. Rinse water may be disposed of down a sanitary sewer system if authorized by the local municipality.

Other Information:

Use appropriate protective equipment.

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

Use with adequate ventilation and proper protective equipment. Keep out of eyes and off of skin

Storage Precautions:

Keep container closed tightly when not in use. Store in a cool place away from acids and oxidizing agents.

VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Sodium metasilicate pentahydrate	N/E	N/E	Not Available
N.T.A.	N/E	N/E	Not Available
Sodium carbonate	N/E	N/E	Not Available
Ethoxylated Nonyl Phenol	N/D	N/D	Not Available

Engineering Controls:

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

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Personal Protective Equipment:

For exposure to the material, wear safety glasses, gloves, and apron.

IX. Physical and Chemical Properties:**Boiling Point:** N/A**Boiling Range:** Not Available**Solubility In Water:** Soluble**Flash Point:** N/A**Odor Threshold:** Not Available**Vapor Density (AIR = 1):** N/A**pH Range:** Not Available**Decomposition Temp:** Not Available**Lower Explosive Limit:** N/A**Specific Gravity (H₂O = 1):** Not Available**Other Information:** pH: 12 (2% solution in DI water)**Melting Point:** N/A**Freezing Point:** Not Available**Evaporation Rate (Butyl Acetate = 1):** N/A**Flash Point Method:** N/A**Appearance and Odor:** green free-flowing powder with pine 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 below.

Incompatible Materials:

Avoid contact with acids.

Hazardous Decomposition Products:

At high temperatures: traces of acetic acid and phenol

Possibility of Hazardous Reactions:

Will not occur

XI. Toxicological Information:

No data available.

XII. Ecological Information:

No data available

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:

Shipping Name: Corrosive solids, n.o.s. (sodium metasilicate pentahydrate)

Haz. Class: 8

Packaging group: III

UN number: UN1759

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.

None

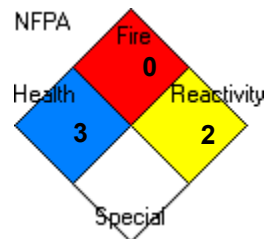
USA TSCA: All components of this material are listed on the US TSCA Inventory.

State RTK Chemicals:

None

XVI. Other Information:Chemical State: Liquid Gas SolidChemical 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.

3	Health
0	Flammability
2	Physical Hazard
E	Pers. Protection