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SAFETY DATA SHEET

Issue Date: 13 November 2015

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: **SALT OFF**

Product Description: **ROAD SALT REMOVER FOR VEHICLES**

Other Means of Identification

Product # 2626
Synonyms Salt Away

Details of the Supplier of the Safety Data Sheet

Company Name CHEMCO INDUSTRIES, INC.
5731 Manchester Avenue
St. Louis, MO 63110
www.chemcoindustries.com
314-647-1888
1-800-854-4236 (to Reorder)

Emergency Telephone Number

Emergency Telephone INFOTRAC 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification (GHS-US)

Skin Corr. 1A H314

*Full text of H-phrases: see section 16

GHS-US Labeling

Hazard pictograms (GHS-US):



Signal Word (GHS-US): Danger

Hazard Statements (GHS-US):

Causes severe skin burns and eye damage

Precautionary statements (GHS-US):

Do not breathe mist, spray

Wash thoroughly after handling

Wear eye protection, protective clothing, protective gloves

If swallowed: Rinse mouth. Do NOT induce vomiting

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If inhaled: Remove person to fresh air and keep comfortable for breathing

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a doctor, a POISON CENTER

Specific treatment (see First aid measures on this label)

Wash contaminated clothing before reuse.

Store locked up.

Dispose of contents/container to comply with local/regional/national/international regulations

Other hazards: No additional information available

Unknown acute toxicity (GHS-US): Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Not applicable

*Full text of H-phrases: see section 16

Mixture:

Name	Product identifier	%	Classification (GHS-US)
Phosphoric acid, solid	(CAS No) 7664-38-2	30-60	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314
Nonylphenoxypoly(ethyleneoxy)ethanol (9EO)	(CAS No) 9016-45-9	<=2	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

4. FIRST AID MEASURES

Description of first aid measures:

First-aid measures general:

If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact:

Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

First-aid measures after ingestion:

Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

Most important symptoms and effects, both acute and delayed:

Symptoms/injuries:

Causes severe skin burns and eye damage.

Symptoms/injuries after inhalation:

May cause respiratory irritation.

Symptoms/injuries after skin contact:

Caustic burns/corrosion of the skin.

Symptoms/injuries after eye contact:

Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.

Symptoms/injuries after ingestion:

Harmful if swallowed. Gastrointestinal complaints. Burns to the gastric/intestinal mucosa.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media:

All extinguishing media allowed.

Special hazards arising from the substance or mixture:

Reactivity:

Upon combustion: CO and CO₂ are formed. Reaction with metals causes release of hydrogen.

Advice for firefighters:

Firefighting instructions:

Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.

Protection during firefighting:

Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

General measures:

Isolate from fire, if possible, without unnecessary risk.

For non-emergency personnel:

Protective equipment:

Gloves. Protective goggles. Protective clothing.

Emergency procedures:

Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.

For emergency responders:

Protective equipment:

Equip cleanup crew with proper protection.

Emergency procedures:

Stop leak if safe to do so. Stop release. Ventilate area.

Environmental precautions:

Avoid release to the environment. Prevent soil and water pollution.

Methods and material for containment and clean up:

For containment:

Contain released substance, pump into suitable containers.

Methods for cleaning up:

Absorb spillage to prevent material damage. This material and its container must be disposed of in a safe way, and as per local legislation.

Reference to other sections:

No additional information available.

7. HANDLING AND STORAGE

Precautions for safe handling:

Precautions for safe handling:

Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink, or smoke when using this product. Do not get in eyes, on skin, or on clothing. Handle and open the container with care.

Hygiene measures:

Wash thoroughly after handling. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities:

Technical measures:

Comply with applicable regulations.

Storage conditions:

Store in corrosive resistant container with a resistant inner liner. Keep container closed when not in use.

Incompatible products:

Alkaline substances. Metals and metal salts. Sulfides. Sulfates.

Storage area:

Keep only in the original container. Store in a dry area. Store in a cool area.

Special rules on packaging:

Meet the legal requirements. Keep only in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Phosphoric acid, solid (7664-38-2)		
ACGIH	ACGIH TWA (mg/m3)	1 mg/m3
ACGIH	ACGIH STEL (mg/m3)	3 mg/m3

Exposure controls:

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Protective clothing. Safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Physical state	Liquid
Appearance	Clear. Slightly yellow to green.
Odor	acidic
Odor threshold	No data available
pH	< 1
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	> 200 F Closed Cup
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	No data available
Explosion limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	No data available
Relative density	No data available
Relative vapor density at 20 C	No data available
Specific gravity/density	1.26 g/ml
Solubility	No data available
Log Pow	No data available
Log Kow	No data available

Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
VOC content	0%

10. STABILITY AND REACTIVITY

Reactivity:

Upon combustion: CO and CO₂ are formed. Reaction with metals causes release of hydrogen.

Chemical stability:

Stable under normal conditions.

Possibility of hazardous reactions:

Refer to Section on Reactivity.

Conditions to avoid:

No additional information available.

Incompatible materials:

May be corrosive to metals. Metals.

Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity: Not classified.

Phosphoric acid, solid (7664-38-2)	
LD50 oral rat	1530 mg/kg (Rat)
LD50 dermal rabbit	2740 mg/kg (Rabbit)
ATE CLP (oral)	1530.000 mg/kg body weight
ATE CLP (dermal)	2740.000 mg/kg body weight

Skin corrosion/irritation:

Causes severe skin burns and eye damage.

pH: < 1

Serious eye damage/irritation:

Not classified.

pH: < 1

Respiratory or skin sensitization:

Not classified.

Germ cell mutagenicity:

Not classified.

Carcinogenicity:

Not classified.

Reproductive toxicity:

Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard:

Not classified.

Symptoms/injuries after inhalation:

May cause respiratory irritation.

Symptoms/injuries after skin contact:

Caustic burns/corrosion of the skin.

Symptoms/injuries after eye contact:

Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.

Symptoms/injuries after ingestion:

Harmful if swallowed. Gastrointestinal complaints. Burns to the gastric/intestinal mucosa.

12. ECOLOGICAL INFORMATION

Toxicity:

Nonylphenoxypoly(ethyleneoxy)ethanol (9EO) (9016-45-9)	
LC50 fish 1	5 mg/l (96 h; Gasterosteus aculeatus; Intermittent flow)
EC50 other aquatic organisms 1	500 mg/l (Selenastrum capricornutum; Chronic)
LC50 fish 2	7 mg/l (96 h; Leuciscus idus)
Threshold limit algae 1	500 mg/l (Selenastrum capricornutum; Chronic)
Phosphoric acid, solid (7664-38-2)	

LC50 fish 1	138 mg/l (96 h; Pisces; Lethal)
LC50 other aquatic organisms 1	240 mg/l (96 h; Protozoa; pH < 7)
LC50 fish 2	100-1000 mg/l (Pisces)
LC50 other aquatic organisms 2	100-1000 mg/l
TLM fish 1	138 ppm (24 h; Gambusia affinis)
Threshold limit other aquatic organisms 1	240 mg/l (96 h; Protozoa; pH < 7)
Threshold limit other aquatic organisms 2	100-1000

Persistence and degradability:

Nonylphenoxypoly(ethyleneoxy)ethanol (9EO) (9016-45-9)	
Persistence and degradability	Not readily biodegradable in water.
Phosphoric acid, solid (7664-38-2)	
Persistence and degradability	Biodegradability: not applicable
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

Bioaccumulative potential:

Nonylphenoxypoly(ethyleneoxy)ethanol (9EO) (9016-45-9)	
Log Pow	> 4
Phosphoric acid, solid (7664-38-2)	
Log Pow	-0.77 (Estimated value)
Bioaccumulative potential	Bioaccumulation: not applicable.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

14. TRANSPORT INFORMATION

Department of Transportation (DOT)

In accordance with DOT: Not regulated for transport
Transport document description: UN1805 Phosphoric acid solution (Phosphoric Acid), 8, III
UN-No. (DOT): UN1805
Proper Shipping Name (DOT): Phosphoric acid solution
Transport hazard class: 8 - Class 8 - Corrosive material 49 CFR 173.136
Hazard labels (DOT): 8 - Corrosive
Packing group (DOT): III - Minor Danger
DOT Packaging Non Bulk (49 CFR 173.xxx): 203
DOT Packaging Bulk (49 CFR 173.xxx): 241
DOT Special Provisions (49 CFR 172.102): A7, IB3, N34, T4, TP1
DOT Packaging Exceptions (49 CFR 173.xxx): 154
DOT Quantity Limitations Passenger aircraft/rail: 5L
DOT Quantity Limitations Cargo aircraft only: 60L
DOT Vessel Stowage Location: A

Additional information:

Other information: This product may be eligible to be shipped as a Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.154.

ADR:

No additional information available.

Transport by sea:

No additional information available.

Air Transport:

No additional information available.

15. REGULATORY INFORMATION

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemical in excess of the applicable de minimis concentration as specified in 40 CFR 372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Phosphoric acid, solid (7664-38-2)	
Not listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	5000 lb

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the State of California to cause cancer and /or reproductive toxicity.

16. OTHER INFORMATION

Training advice: Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Skin Corr. 1A	Skin corrosion/irritation Category 1A
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

NFPA health hazard: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard: 0 - Materials that will not burn.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water

Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendee or users assume all risks associated with the use of this material.