

Safety Data Sheet

Issue Date: 27-Feb-2009

Revision Date: 09-Dec-2013

Version 1

1. IDENTIFICATION

Product Identifier

Product Name GSN Multipurpose Acid Cleaner

Other means of identification

SDS # WC-002

Product Code #30
UN/ID No UN1805

Recommended use of the chemical and restrictions on use

Recommended Use Scale/lime remover.

Details of the supplier of the safety data sheet

Supplier Address

Saffelle Inc.
345 Elizabeth Brady Rd.
Hillsborough, NC 27278

Emergency Telephone Number

Company Phone Number (919) 245-0153
Emergency Telephone (24 hr) (919) 245-0153

2. HAZARDS IDENTIFICATION

Appearance Clear liquid

Physical State Liquid

Odor Mint

Classification

| | |
|---|---------------------------|
| Acute toxicity - Inhalation (Dusts/Mists) | Category 3 |
| Skin corrosion/irritation | Category 1 Sub-category C |
| Serious eye damage/eye irritation | Category 1 |

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed

Signal Word

Danger

Hazard Statements

Toxic if inhaled
Causes severe skin burns and eye damage



WC-002 - GSN Multipurpose Acid Cleaner

Precautionary Statements - Prevention

Use only outdoors or in a well-ventilated area
 Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: 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
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 Wash contaminated clothing before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Immediately call a poison center or doctor/physician
 IF SWALLOWED: rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed
 Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|--|------------|-------------|
| Phosphoric acid | 7664-38-2 | Proprietary |
| Nonylphenoxypoly-(Ethyleneoxy) Ethanol | 26027-38-3 | Proprietary |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**First Aid Measures**

| | |
|--------------|--|
| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get immediate medical advice/attention. |
| Skin Contact | Wash off immediately with soap and plenty of water. Cover with moist baking soda or magnesia. Take off contaminated clothing. Wash contaminated clothing before reuse. |
| Inhalation | Remove to fresh air. Call a physician immediately. |
| Ingestion | Rinse mouth. Ingest one teaspoonful of magnesia or chalk. Call a physician or Poison Control Center. |

Most important symptoms and effects

| | |
|----------|---|
| Symptoms | May cause eye burns and permanent eye damage. Prolonged contact may even cause severe skin irritation or mild burn. |
|----------|---|

Indication of any immediate medical attention and special treatment needed

| | |
|--------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|--------------------|------------------------|

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Contact with metals may evolve flammable hydrogen gas.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers exposed to fire with water.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Use personal protective equipment as required.

Methods and material for containment and cleaning up**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up

Neutralize spill with soda (sodium carbonate) or slaked lime. Dispose of in accordance with federal, state and local regulations.

7. HANDLING AND STORAGE**Precautions for safe handling****Advice on Safe Handling**

Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. When storing, make sure containers are not too full. Under extremely hot conditions, allow room for expansion. Store locked up.

Incompatible Materials

Strong bases. Metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTIONExposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|------------------------------|---|---|---|
| Phosphoric acid 7664-38-2 | STEL: 3 mg/m ³ TWA: 1 mg/m ³ | TWA: 1 mg/m ³ (vacated) TWA: 1 mg/m ³ (vacated) STEL: 3 mg/m ³ | IDLH: 1000 mg/m ³ TWA: 1 mg/m ³ STEL: 3 mg/m ³ |

Appropriate engineering controls

Engineering Controls Local exhaust ventilation recommended. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety goggles or glasses.

Skin and Body Protection Wear rubber or neoprene gloves. Rubber apron.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIESInformation on basic physical and chemical properties

| | | | |
|------------------------------|--------------------|-------------------------|----------------|
| Physical State | Liquid | Odor | Mint |
| Appearance | Clear liquid | Odor Threshold | Not determined |
| Color | Clear | | |
| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> | |
| pH | 1 | | |
| Melting Point/Freezing Point | Not available | | |
| Boiling Point/Boiling Range | Not available | | |
| Flash Point | None | | |
| Evaporation Rate | Not available | | |
| Flammability (Solid, Gas) | n/a-liquid | | |
| Upper Flammability Limits | Not applicable | | |
| Lower Flammability Limit | Not applicable | | |
| Vapor Pressure | Not determined | | |
| Vapor Density | Not determined | | |
| Specific Gravity | 1.182 | (1=Water) | |
| Water Solubility | Completely soluble | | |
| Solubility in other solvents | Not determined | | |
| Partition Coefficient | Not determined | | |
| Auto-ignition Temperature | Not determined | | |
| Decomposition Temperature | Not determined | | |
| Kinematic Viscosity | Not determined | | |
| Dynamic Viscosity | Not determined | | |
| Explosive Properties | Not determined | | |
| Oxidizing Properties | Not determined | | |

10. STABILITY AND REACTIVITYReactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Contact with metals may release flammable hydrogen gas.

Incompatible Materials

Strong bases. Metals.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATIONInformation on likely routes of exposureProduct Information

Eye Contact Causes severe eye damage.

Skin Contact Causes severe skin burns.

Inhalation Toxic if inhaled.

Ingestion May be harmful if swallowed.

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|----------------------|---|-------------------------------------|
| Phosphoric acid 7664-38-2 | = 1530 mg/kg (Rat) | = 2730 mg/kg (Rabbit) | > 850 mg/m ³ (Rat) 1 h |
| Nonylphenoxypoly-(Ethyleneoxy) Ethanol 26027-38-3 | - | = 1800 µL/kg (Rabbit) | - |
| Trade Secret | = 887 mg/kg (Rat) | = 2500 mg/kg (Rat) > 5000 mg/kg (Rabbit) | - |

Information on physical, chemical and toxicological effectsSymptoms

Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposureCarcinogenicity

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|------------------------------|----------------------|--|----------------------------|-----------------------------------|
| Phosphoric acid 7664-38-2 | | 3 - 3.5: 96 h Gambusia affinis mg/L LC50 | | 4.6: 12 h Daphnia magna mg/L EC50 |
| Trade Secret | | | | 50: 24 h Daphnia magna mg/L EC50 |

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

| Chemical Name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---|------|-----------------------------------|------------------------|------------------------|
| Nonylphenoxypoly-(Ethylene oxy) Ethanol 26027-38-3 | | Included in waste stream: K060 | | |

California Hazardous Waste Status

| Chemical Name | California Hazardous Waste Status |
|------------------------------|-----------------------------------|
| Phosphoric acid 7664-38-2 | Corrosive |

14. TRANSPORT INFORMATIONNote

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No UN1805
 Proper Shipping Name Phosphoric acid solution
 Hazard Class 8
 Packing Group III

IATA

UN/ID No UN1805
 Proper Shipping Name Phosphoric acid solution
 Hazard Class 8
 Packing Group III

IMDG

UN/ID No UN1805
 Proper Shipping Name Phosphoric acid solution
 Hazard Class 8
 Packing Group III
 Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATIONInternational Inventories

Not determined

US Federal RegulationsCERCLA

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|------------------------------|--------------------------|----------------|--|
| Phosphoric acid 7664-38-2 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |

SARA 313

Not determined

CWA (Clean Water Act)

| Component | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|--|-----------------------------|------------------------|---------------------------|----------------------------|
| Phosphoric acid 7664-38-2 (Proprietary) | 5000 lb | | | X |

US State RegulationsU.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|------------------------------|------------|---------------|--------------|
| Phosphoric acid 7664-38-2 | X | X | X |
| Trade Secret | | | X |

16 OTHER INFORMATIONNFPAHealth Hazards
Not determinedFlammability
Not determinedInstability
Not determined
Physical HazardsSpecial Hazards
Not determined
Personal Protection
Not determinedHMISHealth Hazards
3Flammability
0

0

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet