

Halo

MSDS Number: V1000D

Revision Date: 5/11/2015

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Wechem, Inc
5734 Susitna Dr
Harahan, LA 70123

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Web: www.wechem.com

Product Name: Halo
Revision Date: 5/11/2015
MSDS Number: V1000D
Product Code: V1000
Product Use: High Foaming Acidic Cleaning Agent

Emergency Telephone Number:
INFOTRAC
1-800-535-5053

2 HAZARDS IDENTIFICATION

- Route of Entry:** Ingestion, skin absorption, Inhalation, eyes
- Inhalation:** Inhalation of generated mist can cause nasal and respiratory irritation or damage to respiratory tract.
- Skin Contact:** Corrosive: Causes irritation and burning.
- Eye Contact:** Corrosive: Causes irritation and burning.
- Ingestion:** Harmful or fatal if swallowed.

| PERSONAL PROTECTION INDEX | | | | | | | | | | |
|---------------------------|------------------|------------------------------|----------------------|----------------------|------------------------|---|--|--|--|--|
| A | | | | | G | | | | | |
| B | | | | | H | | | | | |
| C | | | | | I | | | | | |
| D | | | | | J | | | | | |
| E | | | | | K | | | | | |
| F | | | | | X | Consult your supervisor or S.O.P. for "SPECIAL" handling directions | | | | |
| A | n | o | p | q | r | s | | | | |
| Safety Glasses | Splash Goggles | Face Shield & Eye Protection | Gloves | Boots | Synthetic Apron | Full Suit | | | | |
| t | u | w | y | z | Additional Information | | | | | |
| Dust Respirator | Vapor Respirator | Dust & Vapor Respirator | Full Face Respirator | Airline Hood or Mask | | | | | | |

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GHS Signal Word:
DANGER

GHS Hazard Pictograms:



GHS Classifications:
Health, Acute toxicity, 5 Oral
Health, Skin corrosion/irritation, 1 B
Health, Specific target organ toxicity - Single exposure, 3

GHS Phrases:
H303 - May be harmful if swallowed
H314 - Causes severe skin burns and eye damage
H335 - May cause respiratory irritation

GHS Precautionary Statements:
P103 - Read label before use.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P262 - Do not get in eyes, on skin, or on clothing.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332+313 - If skin irritation occurs: Get medical advice/attention.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P311 - Call a POISON CENTER or doctor/physician.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.

| | |
|----------|---|
| 3 | COMPOSITION/INFORMATION ON INGREDIENTS |
|----------|---|

Ingredients:

| Cas # | Chemical Name | Perc. | OSHA PEL (ppm) | ACGIH TLV(ppm) | Carcin. Ref. |
|-----------|---|--------|-------------------|-------------------|-----------------|
| 7664-38-2 | Phosphoric acid | 30-40% | 1mg/m3 | 1mg/m3 | D |
| 144-62-7 | Oxalic acid | <10% | NA | NA | C |
| NA | Proprietary Detergent Surfactant Blend | NA | NA | NA | D |

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FIRST AID MEASURES

- Inhalation:** Remove to fresh air. Resuscitate if necessary. Seek medical attention.
- Skin Contact:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get immediate medical advice/attention.
- Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get immediate medical advice/attention.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

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FIRE FIGHTING MEASURES

Flammability: Not determined

Flash Point: None

Extinguishing media: Foam, dry chemical, carbon dioxide, water fog.

Special Fire fighting procedures: Use self-contained breathing apparatus if needed.

Unusual Fire & Explosion Hazard: None

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ACCIDENTAL RELEASE MEASURES

Neutralize spill with baking soda and flush with water.

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid any contact with the skin and eyes.

Use appropriate Personal Protective Equipment (PPE).

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HANDLING AND STORAGE

Handling Precautions: Corrosive liquid. Do not breathe gas/fumes/vapor/spray. Use in well-ventilated areas. Do not get in eyes, on skin, or on clothing. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practices.

Storage Requirements: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking. Corrosive liquid. Handle all containers carefully. Keep out of reach of children.

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

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ventilation Requirement: Local exhaust.
Personal Protective Equip: HMIS PP, B | Goggles, Gloves
 Respiratory Protection: None required under adequate ventilation.
 Protective gloves: Chemical resistant, rubber.
 Eye protection: Safety glasses/goggles

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hygienic work practices: Wash with soap and water before handling food.

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PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------------|-------------------------------------|-----------------------|------------------------|
| Appearance: | Clear, Pink | Odor: | Characteristic |
| Physical State: | Liquid | Solubility: | Complete |
| Spec Grav./Density: | (H ₂ O=1): 1.08 +/- 0.05 | Vapor Density: | (Air=1): Not available |
| pH: | < 1 | VOC: | Not Available |

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STABILITY AND REACTIVITY

Stability: Stable and non-reactive under normal conditions of use, storage and transport.
Conditions to Avoid: Mixture with chlorine bleach, ammonia
Materials to Avoid: Alkalis, strong oxidizers
Hazardous Decomposition: Carbon dioxide and Carbon monoxide
Hazardous Polymerization: Will not occur

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TOXICOLOGICAL INFORMATION

Data summary for the components are as follows:

Acute Toxicity:

Phosphoric acid (CAS 7664-38-2)
 Oral LD50 1250 mg/kg, (Rat)
 LD50 1250 mg/kg (Mouse)

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ECOLOGICAL INFORMATION

Data summary for the components are as follows:

Aquatic Toxicity: Not Available

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DISPOSAL CONSIDERATIONS

Dispose of according to local, state or federal regulations.

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TRANSPORT INFORMATION

Proper Shipping Name: NA1760, Compounds, Cleaning Liquid, (Phosphoric Acid), 8, PG III

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REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Phosphoric acid (7664382 10-15%) CERCLA, CSWHS, EPCRAWPC, MASS, NJHS, OSHAWAC, SARA313, TSCA, TXAIR

*Oxalic acid (144627 <10%) MASS, OSHAWAC, PA, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
CSWHS = Clean water Act Hazardous substances
EPCRAWPC = EPCRA Water Priority Chemicals
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHA = OSHA workplace Air Contaminants
SARA313 = SARA 313 Title III Toxic Chemicals
TXAIR = TX Air Contaminants with Health Effects Screening Level
TSCA = Toxic Substances Control Act
PA = PA Right-To-Know List of Hazardous Substances

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OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. ** Chemicals listed are carcinogen or potential carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not listed [e] Animal Data only
N/A = Not available N/D = Not determined