

# MSDS Material Safety Data Sheet

Wechem Inc.



Halo

MSDS Number: V1000B

Revision Date: 07/11/06

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## 1 PRODUCT AND COMPANY IDENTIFICATION

### Manufacturer

Wechem, Inc  
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Product Name: Halo  
Revision Date: 07/11/06  
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Product Code: V1000

## 2 HAZARDS IDENTIFICATION

Route of Entry: Ingestion, skin absorption  
Target Organs: NA  
Inhalation: Inhalation of generated mist can cause nasal and respiratory irritation or damage to the respiratory tract.  
Skin Contact: Irritation and burning.  
Eye Contact: Can cause irritation and burning.  
Ingestion: Harmful or fatal if swallowed.

HMIS II-ratings (scale 0-4): Health = 2, Fire = 0, Reactivity = 0  
HMIS III-ratings (scale 0-4): Health = 2, Fire = 0, Physical Hazard = 2  
NFPA-ratings (scale 0-4): Health = 2, Fire = 0, Reactivity = 0

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
7664382	Phosphoric Acid	10-15	1mg/m3	1mg/m3	D
144627	Oxalic Acid	< 10	NA	NA	C
NA	Proprietary Detergent Surfactant Blend	NA	NA	NA	D



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### 4 FIRST AID MEASURES

**Inhalation:** Remove to fresh air. Resuscitate if necessary. Get medical attention.  
**Skin Contact:** Wash with soap and water. If irritated, seek medical attention.  
**Eye Contact:** Flush with water for 15 minutes. If irritated, seek medical attention.  
**Ingestion:** Do not induce vomiting. Drink two large glasses of water. Get immediate medical attention.

### 5 FIRE FIGHTING MEASURES

**Flash Point:** None  
**Flash Point Method:** NA  
**Burning Rate:** ND  
**Autoignition Temperature:** ND  
**LEL:** ND  
**UEL:** ND  
**Flammability Classification:** ND

Extinguishing media: Foam, dry chemical, carbon dioxide, water  
Special fire fighting procedures: Self- contained breathing apparatus if needed.

Unusual Fire & Explosion Hazards: None

### 6 ACCIDENTAL RELEASE MEASURES

Neutralize spill with baking soda and flush with water.

### 7 HANDLING AND STORAGE

**Handling Precautions:** Corrosive liquid. Handle all containers carefully.  
**Storage Requirements:** Corrosive liquid. Handle all containers carefully. Keep out of reach of children.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Ventilation Requirement: Local exhaust  
**Protective Equipment:** HMIS PP, B | Goggles, Gloves  
Respiratory Protection: Adequate ventilation  
Protective gloves: Chemical resistant/ rubber  
Eye protection: Safety glasses/ goggles  
**Exposure Guidelines/Other:** Hygienic work practices: Wash with soap and water before handling food.



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## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear, pinkish liquid	<b>Boiling Point:</b>	NA
<b>Physical State:</b>	Liquid	<b>Freezing/Melting Pt.:</b>	NA
<b>Odor:</b>	Characteristic	<b>Solubility:</b>	Complete
<b>pH:</b>	Less than 1	<b>Spec Grav./Density:</b>	(H2O=1): 1.08 +/- 0.05
<b>Vapor Pressure:</b>	ND		
<b>Vapor Density:</b>	(Air=1): NA		
<b>Heat Value:</b>	NA		
<b>VOC:</b>	NA		
<b>Evap. Rate:</b>	NA		
<b>Bulk Density:</b>	NA		
<b>Octanol:</b>	NA		
<b>Molecular Weight:</b>	NA		
<b>Particle Size:</b>	NA		
<b>Softening Point:</b>	NA		
<b>Viscosity:</b>	NA		
<b>Percent Volatile:</b>	NA		
<b>Sat. Vap. Concentrat.:</b>	NA		
<b>Molecular Formula:</b>	NA		

## 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions to avoid:</b>	Mixture with chlorine bleach, ammonia
<b>Materials to avoid (incompatibility):</b>	Alkalis, strong oxidizers
<b>Hazardous Decomposition products:</b>	Carbon monoxide, carbon dioxide
<b>Hazardous Polymerization:</b>	Will not occur

## 11 TOXICOLOGICAL INFORMATION

NA

## 12 ECOLOGICAL INFORMATION

NA

## 13 DISPOSAL CONSIDERATIONS

Dispose of according to local, state, or federal regulations.



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## 14 TRANSPORT INFORMATION

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

## 15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

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

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

REGULATORY KEY DESCRIPTIONS

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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  
OSHAWAC = OSHA workplace Air Contaminants  
SARA313 = SARA 313 Title III Toxic Chemicals  
TXAIR = TX Air Contaminants with Health Effects Screening Level

PA = PA Right-To-Know List of Hazardous Substances

## 16 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. \*\* Chemical listed as 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

END OF MSDS DOCUMENT