

MSDS Material Safety Data Sheet

Wechem Inc.



Avenger

MSDS Number: W860B

Revision Date: 06/21/06

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

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Product Name: Avenger
Revision Date: 06/21/06
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Product Code: W860

2 HAZARDS IDENTIFICATION

Route of Entry: Ingestion, eye, skin absorption
Target Organs: NA
Inhalation: Generated mist may be irritating to respiratory tract.
Skin Contact: May cause irritation
Eye Contact: Causes irritation
Ingestion: May cause gastrointestinal irritation, nausea, vomiting, diarrhea

HMIS II-ratings (scale 0-4): Health = 2, Fire = 0, Reactivity = 0
HMIS III-ratings (scale 0-4): Health = 2, Fire = 0, Physical Hazard = 0
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.
1310583	Potassium Hydroxide	5-15	2mg/m3	2mg/m3	D
1310732	Sodium Hydroxide	25-35	2mg/m3	2mg/m3	D
NA	Surfactant Blend*	NA	NA	NA	D



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4 FIRST AID MEASURES

Inhalation: Remove to fresh air. Resuscitate if necessary. Seek 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 to boiling
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 and protective clothing.

Unusual Fire & Explosion Hazards: None

6 ACCIDENTAL RELEASE MEASURES

Absorb with suitable medium.

7 HANDLING AND STORAGE

Handling Precautions: Corrosive liquid. Handle all containers carefully. Store in a cool, dry area away from heat, sparks, flames and other sources of ignition.
Storage Requirements: Corrosive liquid. Handle all containers carefully. Store in a cool, dry area away from heat, sparks, flames and other sources of ignition. 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: None required under normal use conditions.
Protective gloves: 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

Appearance:	Blue liquid	Boiling Point:	Above 212 Deg. F.
Physical State:	Liquid	Freezing/Melting Pt.:	NA
Odor:	Characteristic	Solubility:	Complete
pH:	> 13	Spec Grav./Density:	(H2O=1): 1.35 +/- 0.05
Vapor Pressure:	ND		
Vapor Density:	(Air=1): NA		
Heat Value:	NA		
Evap. Rate:	NA		
Bulk Density:	NA		
Octanol:	NA		
Molecular Weight:	NA		
Particle Size:	NA		
Softening Point:	NA		
Viscosity:	NA		
Sat. Vap. Concentrat.:	NA		
Molecular Formula:	NA		

10 STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	Contact with incompatible materials.
Materials to avoid (incompatibility):	Strong acids, oxidizing agents
Hazardous Decomposition products:	Carbon dioxide, carbon monoxide
Hazardous Polymerization:	Will not occur

11 TOXICOLOGICAL INFORMATION

NA

12 ECOLOGICAL INFORMATION

NA

13 DISPOSAL CONSIDERATIONS

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

14 TRANSPORT INFORMATION

Proper Shipping Name: Compounds Cleaning Liquid, (Sodium Hydroxide, Potassium Hydroxide), 8, NA 1760, PG II



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15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Potassium hydroxide (1310583 5-15%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TXAIR

*Sodium hydroxide (1310732 25-35%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TXAIR

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance

CSWHS = Clean water Act Hazardous substances

MASS = MA Massachusetts Hazardous Substances List

OSHA = OSHA workplace Air Contaminants

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

TXAIR = TX Air Contaminants with Health Effects Screening Level

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