

MSDS Material Safety Data Sheet

Wechem Inc.



HV 500

MSDS Number: PW600F

Revision Date: 7/02/07

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Distributed By: Wechem, Inc
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Harahan, LA 70123

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2 HAZARDS IDENTIFICATION

Route of Entry: Inhalation, skin absorption, eye
Target Organs:
Inhalation: Severe irritation of mucous membrane and upper respiratory tract
Skin Contact: Severe burns
Eye Contact: Cause severe burns, eye damage and possible blindness
Ingestion: Harmful if swallowed may cause tissue perforation

HMIS II-ratings (scale 0-4): Health = 3, Fire = 0, Reactivity = 1
HMIS III-ratings (scale 0-4): Health = 3, Fire = 0, Physical Hazard = 2
NFPA-ratings (scale 0-4): Health = 3, Fire = 0, Reactivity = 1

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
1310732	Sodium Hydroxide	50-80	2mg/m3	2mg/m3	D



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. Rinse mouth. Drink two large glasses of water. Get immediate medical attention.

5 FIRE FIGHTING MEASURES

Flash Point: NA
Flash Point Method: NA
Burning Rate: ND
Autoignition Temperature: ND
LEL: ND
UEL: ND
Flammability Classification: NA

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

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

Unusual Fire & Explosion Hazard: Direct rapid contact with water will produce violent exothermic reaction.

6 ACCIDENTAL RELEASE MEASURES

Sweep or shovel into containers for disposal or reuse. If material is mixed with water or any liquid, dike area to contain spill. Material reacts violently with water. Reclaim if possible, or dilute spill with large amounts of water, then neutralize with dilute acid. Dispose properly.

7 HANDLING AND STORAGE

Handling Precautions: Handle all containers carefully, store in a cool dry area. Do not add water to this product.. Always add this product to water.
Storage Requirements: Handle all containers carefully, store in a cool dry area. Keep out of reach of children. Keep container tightly closed when not in use.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ventilation Requirement: Mechanical: Where dusts or mists are generated
Protective Equipment: HMIS PP, D | Face Shield and Eye Protection, Gloves, Apron
Respiratory Protection: NIOSH/MSHA- Approved respirator recommended
Protective gloves: Rubber or neoprene
Eye protection: Splashproof glasses/ goggles
Exposure Guidelines/Other: Hygienic work practices: Wash with soap and water before handling food. Remove contaminated clothing.



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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White/ Off-white powder blend	Boiling Point:	NA
Physical State:	Solid	Freezing/Melting Pt.:	NA
Odor:	Characteristic	Solubility:	Complete
pH:	12	Spec Grav./Density:	2.13
Vapor Pressure:	NA		
Vapor Density:	NA		

Heat Value:	NA
VOC:	NA
Evap. Rate:	NA
Bulk Density:	NA
Octanol:	NA
Molecular Weight:	NA
Particle Size:	NA
Softening Point:	NA
Viscosity:	NA
Percent Volatile:	NA
Sat. Vap. Concentrat.:	NA
Molecular Formula:	NA

10 STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	High temperature, high moisture (Will harden compound)
Materials to avoid (incompatibility):	Strong acids, strong oxidizing agents, zinc, tin, aluminum, organic halogen and nitrogen compounds.
Hazardous Decomposition products:	Carbon monoxide, carbon dioxide
Hazardous Polymerization:	Will not occur

11 TOXICOLOGICAL INFORMATION

Sodium Metasilicate: Ingestion: Oral LD50 for rats is 1280 mg/kg.
Sodium Hydroxide: Acute Oral LD50:LDLo (rabbit) 500 mg/kg - corrosive.
Skin irritation: corrosive.

12 ECOLOGICAL INFORMATION

Toxic to aquatic life. Sodium Hydroxide: 240 ug/L (bluegill) 96hr TLM LC50

13 DISPOSAL CONSIDERATIONS

Dispose of according to local, state or federal regulations.



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14 TRANSPORT INFORMATION

Proper Shipping Name: Corrosive Solids, N.O.S. (Contains Sodium Hydroxide Solid), 8,
UN 1759, PG II

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Sodium hydroxide (1310732 50-80%) 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