

HV 500

SDS Number: PW600A

Revision Date: 11/16/2018

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PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Wechem, Inc
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Product Identifier: HV 500
SDS Number: PW600A
Product Code: PW600
Revision Date: 11/16/2018
Product Use: Hot Vat Compound

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

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HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Corrosive to Metals, 1
Health, Acute toxicity, 5 Oral
Health, Acute toxicity, 5 Dermal
Health, Skin corrosion/irritation, 1 A
Health, Serious Eye Damage/Eye Irritation, 2 B
Health, Specific target organ toxicity - Single exposure, 2
Environmental, Hazards to the aquatic environment - Acute, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:



GHS Hazard Statements:

H290 - May be corrosive to metals
H303 - May be harmful if swallowed
H313 - May be harmful in contact with skin
H314 - Causes severe skin burns and eye damage
H320 - Causes eye irritation
H371 - May cause damage to organs.
H402 - Harmful to aquatic life

GHS Precautionary Statements:

P102 - Keep out of reach of children.
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.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.

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P273 - Absorb spillage to prevent material damage. Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352 - If on skin: Wash with plenty of water/. . .
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.
P315 - Get immediate medical advice/attention.
P332 + P313 - If skin irritation occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.
P406 - Store in a corrosive resistant container with a resistant inner liner.
P501 - Dispose of contents/container in accordance with local, regional, national and international regulations.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Inhalation, skin absorption, eye
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

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COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
1310-73-2	<82.5%	Sodium hydroxide
7631-99-4	<1%	Sodium nitrate

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FIRST AID MEASURES

Inhalation: Remove individual to fresh air and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.
Skin Contact: Flush skin with cool water. Wash the exposed area with plenty of soap and water while removing contaminated clothing and shoes. Get immediate medical attention. Wash clothing before reuse and throw away shoes which cannot be thoroughly cleaned.
Eye Contact: Hold the eyelids apart and flush the eye gently with large amounts of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.
Ingestion: Have person drink a glass of water immediately if able to swallow. Get medical attention immediately. Do Not INDUCE VOMITING unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

EFFECTS OF OVEREXPOSURE

Acute: Skin: Major potential hazard. Causes severe burns with deep ulcerations. Eyes: Causes severe destruction and blindness. These effects can occur rapidly affecting all parts of the eye.

Chronic: Skin: repeated or prolonged skin contact would be expected to cause drying, cracking and inflammation of the skin. (dermatitis)

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FIRE FIGHTING MEASURES

Flammability: NA
Flash Point: NA
Flash Point Method: NA
LEL: Unknown

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UEL: Unknown

Suitable extinguishing media: Use media suitable to surrounding fire.

Specific hazard arising from chemicals: Water will produce violent exothermic reaction.

Special equipment and precautions: Normal protective clothing. Self-contained breathing apparatus should be provided to firefighters in confined spaces.

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ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions:

Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up:

Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

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HANDLING AND STORAGE

Handling Precautions:

Use smallest amounts possible in designated areas with adequate ventilation. Keep containers closed when not in use. Empty containers may contain hazardous residue. Avoid generating mists. Transfer solutions using equipment which is corrosion resistant. Cautiously transfer into sturdy containers made of compatible materials. Never return contaminated material to its original container. Never add water to solution, always add solution to water and provide agitation.

Storage Requirements:

Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Protect from damage. Store away from incompatible materials. Avoid moisture.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Ventilation Requirement: Mechanical: Where dusts or mists are generated

Personal 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: Chemical Goggles

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

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown granular powder
Physical State: Granular, solid (powder)
Spec Grav./Density: 1.885
Vapor Pressure: Not Available
pH: 1% = 13 to 14
Evap. Rate: 0

Odor: Detergent
Solubility: 100%
Percent Volatile: 0
Vapor Density: Unknown

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STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Mixture with water, acid or incompatible materials can cause splattering and release of large amounts of heat. Will react with some metals.

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Materials to Avoid: Acids and strong oxidizing agents.
Hazardous Decomposition: None
Hazardous Polymerization: None

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TOXICOLOGICAL INFORMATION

Sodium Hydroxide - Oral LD50 (500 mg/kg)
 Dermal LD50 (N/D)
 Inhalation LD50 (N/D)

Important Symptoms: Refer to Section 4 - First Aid Measures.

Effects of Acute Exposure: Eyes: Causes serious eye damage
 Skin: Causes severe skin irritation Ingestion: May be harmful if swallowed
 Inhalation: Under normal conditions, vapor level will be too low to present inhalation hazard.

Effects of Chronic Exposure: N/D

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
 ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
 NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated carcinogen by NTP.
 OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by OSHA.

Other Data: N/D

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ECOLOGICAL INFORMATION

Ecotoxicity: Sodium Hydroxide: Toxicity to fish LC50 *Gambusia affinis* (Mosquito fish) - 125 mg/l - 96 h.
 LC50 - *Oncorhynchus mykiss* (rainbow trout) - 45.4 mg/l - 96 h. Toxicity to daphnia and Immobilization
 EC50 - *Daphnia* (water flea) - 40.38 mg/l - 48 h.

Persistence and Degradability: N/D
 Mobility in Soil: N/D
 Bioaccumulative Potential: N/D
 Other Adverse Effects: N/D

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DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS (DISPOSER MUST COMPLY WITH FEDERAL, STATE AND LOCAL DISPOSAL OR DISCHARGE LAWS.

Dispose of waste material at an approved waste treatment/disposal facility in accordance with applicable regulations. Do not dispose of with normal garbage or to sewer systems.

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TRANSPORT INFORMATION

DOT: UN 1823, Corrosive Material, n.o.s., 8, PGII (Sodium Hydroxide)

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REGULATORY INFORMATION

Component (CAS#) [%] - CODES

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RQ(1000LBS), Sodium hydroxide (1310-73-2) [<82.5%] CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

Sodium nitrate (7631-99-4) [<1%] MASS, NJHS, PA, TSCA

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory CODE Descriptions

RQ = Reportable Quantity
CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
NJHS = NJ Right-to-Know 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.

N/A = Not available N/D = Not determined

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