

## Hulk System # 50 Component A

SDS Number: H50AF

Revision Date: 5/8/2014

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<b>1</b>	<b>PRODUCT AND COMPANY IDENTIFICATION</b>
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**Manufacturer**

Wechem, Inc  
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**Product Name:** Hulk System # 50 Component A  
**Revision Date:** 5/8/2014  
**SDS Number:** H50AF  
**Product Code:** H50A  
**Product Use:** Concentrate A to be used exclusively with Hulk System #50 Component B.

<b>2</b>	<b>HAZARDS IDENTIFICATION</b>
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**Route of Entry:** Skin absorption, ingestion, eyes, inhalation  
**Target Organs:** NA  
**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:** Causes irritation and burning  
**Ingestion:** Corrosive material. Harmful or fatal if swallowed.

PERSONAL PROTECTION INDEX																
<b>A</b>												<b>G</b>				
<b>B</b>												<b>H</b>				
<b>C</b>												<b>I</b>				
<b>D</b>												<b>J</b>				
<b>E</b>												<b>K</b>				
<b>F</b>												<b>X</b>	Consult your supervisor or S.O.P. for "SPECIAL" handling directions			
<b>A</b>		<b>n</b>		<b>O</b>		<b>P</b>		<b>q</b>		<b>r</b>		<b>S</b>		Additional Information		
<b>t</b>		<b>u</b>		<b>w</b>		<b>y</b>		<b>z</b>								
	Dust Respirator		Vapor Respirator		Dust & Vapor Respirator		Full Face Respirator		Airline Hood or Mask							

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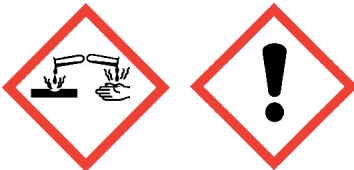
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GHS Signal Word:  
DANGER

GHS Hazard Pictograms:



GHS Classifications:  
Health, Acute toxicity, 4 Oral  
Health, Skin corrosion/irritation, 1 A  
Health, Specific target organ toxicity - Single exposure, 3

GHS Phrases:  
H302 - Harmful if swallowed  
H314 - Causes severe skin burns and eye damage  
H335 - May cause respiratory irritation

GHS Precautionary Statements:  
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.  
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.  
P363 - Wash contaminated clothing before reuse.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P304+312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.  
Continue rinsing.  
P311 - Call a POISON CENTER or doctor/physician.

<b>3</b>	<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>
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**Ingredients:**

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
1310-58-3	Potassium hydroxide	15-40%	2 mg/m3	2 mg/m3	D
60-00-4	Ethylenediamine-tetraacetic acid (EDTA)	5-10%	NA	NA	D

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### FIRST AID MEASURES

- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/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:** ND
- Flash Point:** None to boiling
- Flash Point Method:** NA
- Burning Rate:** ND
- Autoignition Temp:** ND
- LEL:** ND
- UEL:** ND

Extinguishing media: Foam, dry chemical, carbon dioxide, water  
Special fire fighting procedures: Full fire fighting turn out gear and respiratory protection (SCBA).

Unusual Fire & Explosion Hazards: None

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### ACCIDENTAL RELEASE MEASURES

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.

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Scoop up material and place in a disposal container. Provide ventilation.

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### HANDLING AND STORAGE

- Handling Precautions:** Corrosive liquid. Do not breathe gas/fumes/vapor/spray. Use only 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 practice.
- 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:** Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

**Personal Protective Equip:** HMIS PP, B | Goggles, Gloves  
 Respiratory Protection: None required under normal use conditions.  
 Protective gloves: Chemical resistant, rubber, PVC  
 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.

Do not eat, smoke, or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

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### PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, colorless liquid  
**Physical State:** Liquid  
**Particle Size:** NA  
**Spec Grav./Density:** (H2O=1): 1.377 +/- 0.05  
**Viscosity:** NA  
**Sat. Vap. Conc.:** NA  
**Boiling Point:** 213 Deg. F. (IBP)  
**Vapor Pressure:** ND  
**pH:** 14  
**Evap. Rate:** NA  
**Molecular weight:** NA

**Odor:** Characteristic  
**Molecular Formula:** NA  
**Solubility:** Complete  
**Softening Point:** NA  
**Percent Volatile:** NA  
**Heat Value:** NA  
**Freezing/Melting Pt.:** NA  
**Octanol:** NA  
**Vapor Density:** (Air=1): ND  
**VOC:** NA  
**Bulk Density:** NA

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### STABILITY AND REACTIVITY

**Stability:** Stable. No dangerous reaction known under conditions of normal use.  
**Conditions to Avoid:** Heat. Incompatible materials.  
**Materials to Avoid:** Strong oxidizers, acids  
**Hazardous Decomposition:** Carbon dioxide, carbon monoxide  
**Hazardous Polymerization:** Will not occur

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### TOXICOLOGICAL INFORMATION

Data summary for the components are as follows:

Potassium hydroxide (1310-58-3)  
Oral LD50 214 mg/kg (Rat)

Ethylenediamine-tetraacetic acid (EDTA) (60-00-4)  
Oral LD50 1700 mg/kg (Rat)

Calculated overall Chemical Acute Toxicity Values:

Inhalation LC50 >20 mg/L 4h, (Rat)  
Oral LD50 591.7 mg/kg (Rat)  
Dermal LD50 >2000 mg.kg (Rabbit)

This product is not classified as a carcinogen or mutagen.

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### ECOLOGICAL INFORMATION

May cause long-term adverse effects in the aquatic environment.

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### DISPOSAL CONSIDERATIONS

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

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### TRANSPORT INFORMATION

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



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### REGULATORY INFORMATION

#### COMPONENT / (CAS/PERC) / CODES

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\*Potassium hydroxide (1310583 15-40%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

\*Ethylenediamine-tetraacetic acid (EDTA) (60004 5-10%) CERCLA, CSWHS, HAP, MASS, PA, TSCA

#### REGULATORY KEY DESCRIPTIONS

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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  
TSCA = Toxic Substances Control Act  
TXAIR = TX Air Contaminants with Health Effects Screening Level  
  
HAP = Hazardous Air Pollutants

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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. \*\* 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