

Hulk System FS 250 (Formulation Base)

MSDS Number: HFS250C

Revision Date: 11/24/2014

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1	PRODUCT AND COMPANY IDENTIFICATION
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Manufacturer

Wechem, Inc
5734 Susitna Dr
Harahan, LA 70123

Contact: Ligia M. Hernandez
Phone: 504-733-1152
Fax: 504-733-2218
Web: www.wechem.com

Product Name: Hulk System FS 250 (Formulation Base)
Revision Date: 11/24/2014
MSDS Number: HFS250C
Product Code: HFS250
Product Use: Industrial Cleaner / Degreaser

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

2	HAZARDS IDENTIFICATION
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Route of Entry: Skin absorption, ingestion, inhalation, eye

Target Organs: NA

Inhalation: Inhalation of generated mist can cause nasal and respiratory irritation or damage to respiratory tract.

Skin Contact: Causes irritation

Eye Contact: Causes irritation and burning

Ingestion: Harmful or fatal if swallowed.

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

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GHS Signal Word:
DANGER

GHS Hazard Pictograms:



GHS Classifications:
Health, Acute toxicity, 4 Oral
Health, Skin corrosion/irritation, 1 B
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:
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
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.
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.

3	COMPOSITION/INFORMATION ON INGREDIENTS
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Ingredients:

Cas #	Perc.	Chemical Name	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
1310-58-3	10-30%	Potassium hydroxide (K(OH))	2mg/m3	2mg/m3	D
N/A	Trade Secret	surfactant Blend	NA	NA	D

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4 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:** Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical advice/attention.
- Eye 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:** 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.

5 FIRE FIGHTING MEASURES

- Flammability:** Not Flammable by OSHA criteria
- Flash Point:** > 200 Deg. F.
- Burning Rate:** ND
- Autoignition Temp:** ND
- LEL:** ND
- UEL:** ND

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

Special fire fighting procedures: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA)

Unusual Fire & Explosion Hazards: None known

6 ACCIDENTAL RELEASE MEASURES

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).

7 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 practices.

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, red	Odor:	Characteristic
Physical State:	Liquid	Molecular Formula:	NA
Particle Size:	NA	Solubility:	Complete
Spec Grav./Density:	(H2O=1): 1.21 +/- 0.05	Softening Point:	NA
Viscosity:	NA	Percent Volatile:	NA
Sat. Vap. Conc.:	NA	Heat Value:	NA
Boiling Point:	212 Deg. F.	Freezing/Melting Pt.:	NA
Flammability:	Not Flammable	Flash Point:	> 200 Deg. F.
Vapor Pressure:	ND	Octanol:	NA
pH:	> 13	Vapor Density:	(Air=1): ND
Evap. Rate:	NA	VOC:	NA
Molecular weight:	NA	Bulk Density:	NA

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STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use.

Conditions to Avoid: 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 for the components of this material is summarized as follows:

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

Surfactant Blend (CAS# NA)
Oral- LD50 2700 mg/kg (Mouse)
Oral- LD50 1064-16800 mg/kg (Rat)
Dermal- LD50 >2000 mg/kg (Rabbit)

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ECOLOGICAL INFORMATION

Data for the components of this material is summarized as follows:

Aquatic Toxicity:

Surfactant Blend (CAS# NA)
EC50 Algae: 0.19 mg/l 72 hr
EC50 Daphnia 3.1 mg/l 48 hr
LC50 Fish 2.67 mg/l 96 hr
LC50= 60.6 mg/l (96 h) Fathead Minnow (*Pimephales promelas*)
LC50= 100-250 mg/l (24 h) Fathead Minnow (*Pimephales promelas*)

This product is inherently biodegradable.

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DISPOSAL CONSIDERATIONS

Dispose of according to local, state, or 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

*Potassium hydroxide (K(OH)) (1310583 10-30%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

*Surfactant Blend (CAS# Trade Secret) TSCA

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
TSCA = Toxic Substances Control Act

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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