

Hulk System Degreaser # 50

SDS Number: HB50E

Revision Date: 5/29/2014

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1	PRODUCT AND COMPANY IDENTIFICATION
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Manufacturer

Wechem, Inc
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Product Name: Hulk System Degreaser # 50
Revision Date: 5/29/2014
SDS Number: HB50E
Product Code: HB50
Product Use: Industrial Cleaner/Degreaser

2	HAZARDS IDENTIFICATION
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Route of Entry: Inhalation, ingestion, eye, skin
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																																																																																																								
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Dust Respirator															Vapor Respirator															Dust & Vapor Respirator															Full Face Respirator															Airline Hood or Mask																																												

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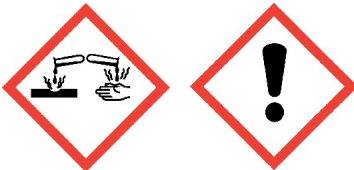
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GHS Signal Word:
DANGER

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.

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
111-76-2	Ethylene glycol monobutyl ether	1-5%	50	20	D
NA	Surfactant Mixture	Trade Secret	NA	NA	D
1310-58-3	Potassium hydroxide	1-5%	2 mg/m3	2 mg/m3	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:** NA
- Flash Point:** > 200 Deg. F.
- 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: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker 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: Ventilation Requirement: Local exhaust
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): 1.02 +/- 0.1	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:	>93.3 C (>200 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. No dangerous reaction known under conditions of normal use.
Conditions to Avoid: Heat. Incompatible materials.
Materials to Avoid: Strong oxidizing agents, 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:

Ethylene glycol monobutyl ether (111-76-2)

Oral LD50 470 mg/kg (Rat)

Dermal LD50 2270 mg/kg (Rat)

Dermal LD50 mg/kg (Rabbit)

Inhalation LC50 2.21 mg/L 4h, (Rat)

Inhalation LC50 450 ppm 4h, (Rat)

Potassium hydroxide (1310-58-3)

Oral LD50 214 mg/kg (Rat)

Calculated overall Chemical Acute Toxicity Value

Inhalation LC50 >20 mg/L 4 hr, (Rat)

Oral LD50 >2000 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

*Ethylene glycol monobutyl ether (111762 <5%) HAP, MASS, OSHAWAC, PA, SARA313, TXAIR

*Potassium hydroxide (1310583 1-5%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

California Proposition 65: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

REGULATORY KEY DESCRIPTIONS

HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals
TXAIR = TX Air Contaminants with Health Effects Screening Level

CERCLA = Superfund clean up substance
CSWHS = Clean water Act Hazardous substances
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