

Hulk System Degreaser # 20

SDS Number: HB20E

Revision Date: 12/5/2014

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Wechem, Inc
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Product Name: Hulk System Degreaser # 20
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2 HAZARDS IDENTIFICATION

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											
A											
B		+									
C		+		+							
D		+		+							
E		+		+		+					
F		+		+		+		+			
G		+		+		+		+		+	
H		+		+		+		+		+	
I		+		+		+		+		+	
J		+		+		+		+		+	
K		+		+		+		+		+	
X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions										
A		n		o		p		q		r	
	Safety Glasses	Splash Goggles	Face Shield & Eye Protection	Goggles	Boots	Synthetic Abron	Full Suit				
t		u		w		y		z		Additional Information	
	Quilt Respirator	Vapor Respirator	Quilt & Vapor Respirator	Full Face Respirator	Airline Hood or Apron						

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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, Skin corrosion/irritation, 2
- Health, Serious Eye Damage/Eye Irritation, 2 B
- Health, Specific target organ toxicity - Single exposure, 3

GHS Phrases:

- H302 - Harmful if swallowed
- H314 - Causes severe skin burns and eye damage
- H315 - Causes skin irritation
- H320 - Causes eye irritation
- 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.
1310-58-3	Potassium hydroxide	<5%	2 mg/m3	2 mg/m3	D
60-00-4	Ethylenediamine-tetraacetic acid (EDTA)	<1%	NA	NA	D
NA	Surfactant Mixture	<5%	NA	NA	D

* This product is proprietary blend and chemical identity is withheld as trade secret as per 29CFR 1910.1200

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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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6 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.

7 HANDLING AND STORAGE

Handling Precautions: Warning: Corrosive liquid. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Do not get in eyes, on skin, or on clothin. 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. Warning: 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.

8 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.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to Blue
Physical State: Liquid
Particle Size: NA
Spec Grav./Density: (H2O=1): 1.04 +/- 0.05
Viscosity: NA
Sat. Vap. Conc.: NA
Boiling Point: NA
Vapor Pressure: ND
pH: >13
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)

Surfactant Blend (CAS Trade Secret)
Component A Similar Product
Acute Toxicity
Dermal LD50 >2000 mg/kg (Rabbit)
Oral LD50 2000-5000 mg/kg (Rat)

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



15	REGULATORY INFORMATION
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COMPONENT / (CAS/PERC) / CODES

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

*Ethylenediamine-tetraacetic acid (EDTA) (60004 <1%) CERCLA, CSWHS, HAP, MASS, PA, TSCA

*Surfactant Mixture (NA <5%) TSCA

REGULATORY KEY DESCRIPTIONS

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

 HAP = Hazardous Air Pollutants

16	OTHER INFORMATION
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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