

Hulk System # 109 ES

MSDS Number: H109ESD

Revision Date: 3/26/2015

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1	PRODUCT AND COMPANY IDENTIFICATION
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Manufacturer

Wechem, Inc
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Harahan, LA 70123

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Product Name: Hulk System # 109 ES
Revision Date: 3/26/2015
MSDS Number: H109ESD
Product Code: H109ES
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 More							

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GHS Signal Word:

DANGER

GHS Hazard Pictograms:



GHS Classifications:

Physical, Flammable Liquids, 4
Health, Acute toxicity, 4 Oral
Health, Skin corrosion/irritation, 1 B
Health, Specific target organ toxicity - Single exposure, 3
Health, Specific target organ toxicity - Single exposure, 2

GHS Phrases:

H227 - Combustible liquid
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H335 - May cause respiratory irritation
H371 - May cause damage to organs

GHS Precautionary Statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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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3	COMPOSITION/INFORMATION ON INGREDIENTS
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Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
NA	Glycol ether/ Surfactant Blend	>30%	NA	NA	D
141-43-5	Ethanol, 2-amino-	15-40%	3	3	D
57-55-6	Propylene glycol	1-4%	NA	NA	D

4	FIRST AID MEASURES
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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.

5	FIRE FIGHTING MEASURES
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Flammability: Combustible
Flash Point: > 167 Deg. F.
Flash Point Method: PMCC

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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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: Combustible and Corrosive liquid. Keep away from sources of ignition-No smoking. 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. Combustible and Corrosive liquid. Keep out of reach of children. Keep container tightly closed and in a well-ventilated place. Do not store at temperatures above 49 C/ 120 F. Store in a cool dry, climate controlled area, away from incompatibles, sparks and open flame.

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: Dark Blue
Physical State: Liquid
Spec Grav./Density: (H2O=1): 1.00 +/- 0.1
Boiling Point: >212 F
Flammability: Combustible
pH: 12.5 +/- 1

Odor: Characteristic
Solubility: Complete
Flash Point: > 167 Deg. F.
Octanol: NA
Vapor Density: (Air=1): Not determined
VOC: ~ 37 %

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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:

Glycol Ether (Trade Secret)

Ingestion LD50 2000-4360 mg/kg (Rat)

Dermal LD50 2800-4350 mg/kg (Rabbit)

Surfactant Blend (Trade Secret)

Ingestion LD50 >1,400 mg/kg (Rat)

2-aminoethanol (141-43-5)

Oral LD50 1200-2700 mg/kg (Rat-Male, female)

Dermal LD50 1000-2500 mg/kg (Rabbit)

Propylene Glycol (57-55-6)

Ingestion LD50 21,000 mg/kg (Rat)

Inhalation LC50 >105 ppm, 8 h (Rat)

Dermal LD50 20,800 mg/kg (Rat)

This product is not classified as a carcinogen or a mutagen.

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ECOLOGICAL INFORMATION

Data summary for the components is as follows:

Glycol Ether (Trade Secret)

Fish LC50 3400 mg/l, 96 hr, Fathead minnow (*Pimephales promelas*)

LC50 >100 mg/l, 96 hr, Rainbow trout (*Oncorhynchus mykiss*)

Daphnia LC50 3600 mg/l, 48 hr water flea (*Daphnia magna*)

EC50 >100 mg/l, 48 hr, immobilization, water flea (*Daphnia magna*)

Algae EC50 1466 mg/l, 4 d, biomass growth inhibition, green alga *Selenastrum capricornutum*

Bacteria EC50 3800 mg/l, 16 h, growth inhibition

Surfactant Blend (Trade Secret)

Fish LC50 1-10 mg/l 96 h Fathead minnow (*Pimephales promelas*)

Daphnia EC50 1-10 mg/l 48h *Daphnia magna*

Algae EC50 1-10 mg/l 96h Algae

2-aminoethanol (141-43-5)

Fish LC50 150 mg/L, 96h Freshwater

Bacteria IC50 110 mg/L, 17h

Daphnia EC50 65 mg/L, 48h

Algae IC50 22 mg/L, 72h

Propylene glycol (57-55-6)

Fish LC50 55,770 mg/l 96 h Fathead minnow (*Pimephales promelas*)

Daphnia EC50 >10,000 mg/l 48 h *Daphnia*

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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: UN 1760, Corrosive Liquids, N.O.S., (Ethanalamine), 8, PG III



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REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Glycol ether (CAS n/a >30%) TSCA

*Ethanol, 2-amino- (141435 15-40%) HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

*Propylene glycol (57556 1-4%) HAP, PA, TSCA

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

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

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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