1 PRODUCT AND COMPANY IDENTIFICATION

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 # 103 (Barrel in a Box)
Revision Date: 3/14/2018
SDS Number: HB103C
Product Code: HB103
Product Use: Industrial Cleaner

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

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Flammable Liquids, 4
Health, Acute toxicity, 5 Oral
Health, Skin corrosion/irritation, 2
Health, Serious Eye Damage/Eye Irritation, 2 B
Health, Specific target organ toxicity - Single exposure, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:

GHS Hazard Statements:

H227 - Combustible liquid
H303 - May be harmful if swallowed
H315 - Causes skin irritation
H320 - Causes eye irritation
H335 - May cause respiratory irritation

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.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

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.

3 COMPOSITION/INFORMATION OF INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
111-76-2	60-100%	Ethylene glycol monobutyl ether
******		Surfactant Blend
102-71-6	3-7%	Triethanolamine
57-55-6	1-4%	Propylene glycol

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: 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

Flammability: NA
Flash Point: 165 Deg. F.
Flash Point Method: PMCC
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

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: 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. Wash thoroughly after handling .

Avoid freezing or excessive heat. Do not contaminate water, food or feed by storage or disposal

Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

Storage Requirements: Keep out of reach of children. Keep container tightly closed and in a well-ventilated place. Store away from strong acids and oxidizers. 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 Equipment: HMIS PP, B | Goggles, Gloves
Respiratory Protection: None required under normal use conditions.
Protective gloves: Chemical resistant, rubber
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.

Ethylene glycol monobutyl ether cas#:(111-76-2) [60-100%]

Components with workplace control parameters

TWA	20 ppm	USA. ACGIH Threshold Limit Values (TLV)

Eye & Upper Respiratory Tract irritation
Confirmed animal carcinogen with unknown relevance to humans

TWA	5 ppm 24 mg/m3	USA. NIOSH Recommended Exposure Limits

Potential for dermal absorption

TWA	50 ppm 240 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

Skin designation
The value in mg/m3 is approximate.

TWA	25 ppm 120 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

Skin notation

Triethanolamine cas#:(102-71-6) [3-7%]

Components with workplace control parameters

TWA 5 mg/m3 USA. ACGIH Threshold Limit Values (TLV)

Skin & eye irritation

Propylene glycol cas#:(57-55-6) [1-4%]

Components with workplace control parameters

TWA 10 mg/m3 USA. Workplace Environmental Exposure Levels (WEEL)

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, dark green liquid		
Physical State:	Liquid	**Odor:**	Characteristic
Particle Size:	NA	**Molecular Formula:**	NA
Spec Grav./Density:	(H20=1): 0.95 +/- 0.05	**Solubility:**	Complete
Viscosity:	NA	**Softening Point:**	NA
Sat. Vap. Conc.:	NA	**Percent Volatile:**	NA
Boiling Point:	> 250 Deg. F.	**Heat Value:**	NA
Vapor Pressure:	ND	**Freezing/Melting Pt.:**	NA
pH:	9.0 +/- 1	**Flash Point:**	73.89 C (165 F)
Evap. Rate:	NA	**Octanol:**	NA
Molecular weight:	NA	**Vapor Density:**	(Air=1): ND
		VOC:	~ 73 %
		Bulk Density:	NA

10 STABILITY AND REACTIVITY

Chemical 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

11 TOXICOLOGICAL INFORMATION

Data summary for the components are as follows:

Surfactant Blend (Trade Secret)
Ingestion LD50 >1,400 mg/kg (Rat)

Ethylene glycol monobutyl ether cas#:(111-76-2) [60-100%]

Information on toxicological effects

Acute toxicity:
LD50 Oral - rat - 470 mg/kg
LC50 Inhalation - rat - 4 h - 450 ppm Remarks: Behavioral:Ataxia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.
LD50 Dermal - rabbit - 220 mg/kg
LD50 Intraperitoneal - rat - 220 mg/kg
LD50 Intravenous - rat - 307 mg/kg

Skin corrosion/irritation: Skin - rabbit Result: Open irritation test

Serious eye damage/eye irritation: Eyes - rabbit Result: Moderate eye irritation - 24 h

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:
IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Butoxyethanol)
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: KJ8575000

Triethanolamine cas#:(102-71-6) [3-7%]

Information on toxicological effects

Acute toxicity:
LD50 Oral - mouse - 5,846 mg/kg Remarks: Behavioral:Convulsions or effect on seizure threshold. Diarrhoea Kidney, Ureter, Bladder:Other changes.
LD50 Oral - rat - 5,530 mg/kg Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Lacrimation. Diarrhoea Skin and Appendages: Other: Hair.
LD50 Oral - rabbit - 2,200 mg/kg
LD50 Oral - guinea pig - 2,200 mg/kg
Inhalation: no data available

LD50 Dermal - rabbit - > 22.5 g/kg

Skin corrosion/irritation: Skin - rabbit Result: No skin irritation

Serious eye damage/eye irritation: Eyes - rabbit Result: No eye irritation

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:
IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2,2,2-Nitrilotriethanol)
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: KL9275000

Propylene glycol cas#:(57-55-6) [1-4%]

Information on toxicological effects

Acute toxicity:
Oral LD50 LD50 Oral - rat - 20,000 mg/kg
Inhalation LC50 no data available
Dermal LD50 LD50 Dermal - rabbit - 20,800 mg/kg
Other information on acute toxicity LD50 Intramuscular - rat - 14 g/kg
LD50 Intravenous - dog - 26 g/kg
LD50 Intraperitoneal - rat - 6,660 mg/kg
LD50 Subcutaneous - rat - 22,500 mg/kg
LD50 Intravenous - rat - 6,423 mg/kg
LD50 Intraperitoneal - mouse - 9,718 mg/kg
Remarks: Lungs, Thorax, or Respiration:Chronic pulmonary edema. Kidney, Ureter, Bladder:Changes in both tubules and glomeruli. Blood:Changes in spleen.
LD50 Subcutaneous - mouse - 17,370 mg/kg
Remarks: Behavioral:Change in motor activity (specific assay). Behavioral:Muscle contraction or spasticity. Cyanosis
LD50 Intravenous - mouse - 6,630 mg/kg
LD50 Intravenous - rabbit - 6,500 mg/kg

Skin corrosion/irritation: Skin - Human - Mild skin irritation - 7 d

Serious eye damage/eye irritation: Eyes - rabbit - Mild eye irritation

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: Gastrointestinal disturbance, Nausea, Headache, Vomiting, Central nervous system depression

Synergistic effects: no data available

Additional Information:

RTECS: TY2000000

12 ECOLOGICAL INFORMATION

Data summary for the components is as follows:

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

Ethylene glycol monobutyl ether cas#:(111-76-2) [60-100%]

Information on ecological effects

Toxicity:
Toxicity to fish LC50 - other fish - 220 mg/l - 96 h.
Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 1,815 mg/l - 24 h.
other aquatic invertebrates

Persistence and degradability: no data available

Ratio BOD/ThBOD 88 %

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

Triethanolamine cas#:(102-71-6) [3-7%]

Information on ecological effects

Toxicity:
Toxicity to fish LC50 - Lepomis macrochirus (Bluegill) - 450 - 1,000 mg/l - 96 h.
Toxicity to daphnia and EC50 - Daphnia - 609.98 mg/l - 48 h.
other aquatic invertebrates

Persistence and degradability: Biodegradability Result: 96 % - Readily biodegradable.

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

Propylene glycol cas#:(57-55-6) [1-4%]

Information on ecological effects

Toxicity:
Toxicity to fish mortality NOEC - Pimephales promelas (fathead minnow) - 52,930 mg/l - 96 h.
Toxicity to daphnia mortality NOEC - Daphnia - 13,020 mg/l - 48 h.
and other aquatic invertebrates
EC50 - Daphnia magna (Water flea) - > 10,000 mg/l - 48 h

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

13 DISPOSAL CONSIDERATIONS

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

14 TRANSPORT INFORMATION

Proper Shipping Name: Not Regulated

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Ethylene glycol monobutyl ether (111-76-2) [60-100%] HAP, MASS, OSHAWAC, PA, SARA313, TSCA, TXAIR

Non-Hazardous (0) [n/a%]

Triethanolamine (102-71-6) [3-7%] HAP, MASS, PA, TSCA, TXAIR

Propylene glycol (57-55-6) [1-4%] HAP, PA, TSCA

This product is NOT for sale in CA, UT, OTC or LADCO States.

Regulatory CODE 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
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level

16 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