

**Hulk System # 109 RTU**

SDS Number: H109RTUH

Revision Date: 2/3/2023

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**1 PRODUCT AND COMPANY IDENTIFICATION**

**Manufacturer**

Wechem, Inc  
 5734 Susitna Dr  
 Harahan, LA 70123

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**Web:** www.wechem.com

**Product Identifier:** Hulk System # 109 RTU  
**SDS Number:** H109RTUH  
**Product Code:** H109RTU  
**Revision Date:** 2/3/2023  
**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):**

- Health, Acute toxicity, 5 Oral
- Health, Skin corrosion/irritation, 1 B
- Health, Specific target organ toxicity - Single exposure, 3
- Health, Specific target organ toxicity - Single exposure, 2

**GHS Label Elements, Including Precautionary Statements**

**GHS Signal Word:** **DANGER**

**GHS Hazard Pictograms:**



**GHS Hazard Statements:**

- H303 - May be 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:**

- 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.
- 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.

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

**Route of Entry:** Skin absorption, ingestion, inhalation, eye

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**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 ON INGREDIENTS**

Chemical Ingredients:		
CAS#	%	Chemical Name:
111-76-2	1-10%	Ethylene glycol monobutyl ether
141-43-5	5-15%	Ethanol, 2-amino-
0		Proprietary Surfactant Blend

**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:** > 200 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 &amp; 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:** Corrosive liquid. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Do not get in

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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.

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

**Storage Requirements:**

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 Equipment:**

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.

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**PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear, Blue	<b>Odor:</b>	Characteristic
<b>Physical State:</b>	Liquid	<b>Molecular Formula:</b>	NA
<b>Particle Size:</b>	NA	<b>Solubility:</b>	Complete
<b>Spec Grav./Density:</b>	(H20=1): 0.99 +/- 0.1	<b>Softening Point:</b>	NA
<b>Viscosity:</b>	NA	<b>Percent Volatile:</b>	NA
<b>Saturated Vapor Concentration:</b>	NA	<b>Heat Value:</b>	NA
<b>Boiling Point:</b>	NA	<b>Freezing/Melting Pt.:</b>	NA
<b>Flammability:</b>	Non Flammable	<b>Flash Point:</b>	> 200 Deg. F.
<b>Vapor Pressure:</b>	ND	<b>Octanol:</b>	NA
<b>pH:</b>	12 +/- 1	<b>Vapor Density:</b>	(Air=1): ND
<b>Evap. Rate:</b>	NA	<b>VOC:</b>	1.5-7.5%
<b>Molecular weight:</b>	NA	<b>Bulk Density:</b>	NA

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**STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Stable. No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid:</b>	Incompatible materials.
<b>Materials to Avoid:</b>	Strong oxidizers, acids
<b>Hazardous Decomposition:</b>	Carbon dioxide, carbon monoxide
<b>Hazardous Polymerization:</b>	Will not occur

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**TOXICOLOGICAL INFORMATION**

Data summary for the components are as follows:

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

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

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Ethylene glycol monobutyl ether cas#:(111-76-2) [1-10%]

## 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

Human exposure above 200 ppm can be expected to cause narcosis, damage to the kidney and liver and present an abnormal blood picture showing erythropenia, reticulocytosis, granulocytosis, leukocytosis, and would be likely to cause fragility of erythrocytes and hematuria. Swallowing of 2-butoxyethanol results in a sour taste that turns to a burning sensation and is followed by numbness of the tongue which indicates paralysis of the sensory nerve endings., Central nervous system depression, Headache, narcosis  
Stomach - Irregularities - Based on Human Evidence

Ethanol, 2-amino- cas#:(141-43-5) [5-15%]

## Information on toxicological effects

## Acute toxicity:

LD50 Oral - rat - 1,720 mg/kg

Inhalation: Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

LD50 Dermal - rabbit - 1,015 mg/kg

no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: Eyes - rabbit Result: Severe 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.

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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: KJ5775000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.  
Liver - Irregularities - Based on Human Evidence

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**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) [1-10%]

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

Ethanol, 2-amino- cas#:(141-43-5) [5-15%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - *Pimephales promelas* (fathead minnow) - 227 mg/l - 96 h.

Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 65 mg/l - 48 h.

other aquatic invertebrates

Toxicity to algae EC50 - *Desmodesmus subspicatus* (green algae) - 15 mg/l - 72 h.

Persistence and degradability: no data available

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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: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

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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., (Ethanamine), 8, PG III

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## REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[1-10%] Ethylene glycol monobutyl ether (111-76-2) HAP, MASS, OSHAWAC, PA, SARA313, TSCA, TXAIR

[5-15%] Ethanol, 2-amino- (141-43-5) HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

[--%] Proprietary surfactant blend (0)

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

### Regulatory Code Legend

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

OSHWAC = 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

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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.

N/A = Not available N/D = Not determined

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