

**Hulk System # 109**

SDS Number: H109J

Revision Date: 1/23/2023

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**1 PRODUCT AND COMPANY IDENTIFICATION**

**Manufacturer**

Wechem, Inc  
 5734 Susitna Dr  
 Harahan, LA 70123

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**Product Identifier:** Hulk System # 109  
**SDS Number:** H109J  
**Product Code:** H109  
**Revision Date:** 1/23/2023  
**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, 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 Label Elements, Including Precautionary Statements**

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

**GHS Hazard Pictograms:**



**GHS Hazard Statements:**

- 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:**

- 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	20-50%	Ethylene glycol monobutyl ether
141-43-5	15-40%	Ethanol, 2-amino-
0		Proprietary Surfactant Blend
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:** No flash below 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**

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**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 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.

**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:** 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.

**9**
**PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Dark blue liquid	<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>	(H2O=1): 0.97 +/- 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>	No flash below 200 Deg. F.
<b>Vapor Pressure:</b>	ND	<b>Octanol:</b>	NA
<b>pH:</b>	> 12	<b>Vapor Density:</b>	(Air=1): ND
<b>Evap. Rate:</b>	NA	<b>VOC:</b>	~ 37.5 %
<b>Molecular weight:</b>	NA	<b>Bulk Density:</b>	NA

**10**
**STABILITY AND REACTIVITY**

**Chemical Stability:** Stable. No dangerous reaction known under conditions of normal use.

**Conditions to Avoid:** 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:

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

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Ethylene glycol monobutyl ether cas#:(111-76-2) [20-50%]

### 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) [15-40%]

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## 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.

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

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

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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

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Additional Information:

RTECS: TY2000000

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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) [20-50%]

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) [15-40%]

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

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

Persistence and degradability: no data available

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.

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

<b>13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

<b>14</b>	<b>TRANSPORT INFORMATION</b>
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Proper Shipping Name: UN 1760, Corrosive Liquids, N.O.S., (Ethanalamine), 8, PG III

<b>15</b>	<b>REGULATORY INFORMATION</b>
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[%] RQ (CAS#) Substance - Reg Codes

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[20-50%] Ethylene glycol monobutyl ether (111-76-2) HAP, MASS, OSHAWAC, PA, SARA313, TSCA, TXAIR



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[15-40%] Ethanol, 2-amino- (141-43-5) HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

[--%] surfactant blend (0)

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

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

### Regulatory Code Legend

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HAP = Hazardous Air Pollutants  
MASS = MA Massachusetts Hazardous Substances List  
OSHA = 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	<b>OTHER INFORMATION</b>
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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. N/A = Not available N/D = Not determined

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