

# MSDS *Material Safety Data Sheet*

**Wechem, Inc.**

## Hulk System FS 109 (RTU)

MSDS Number: HFS109RTUB

Revision Date: 04/30/09

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

Wechem, Inc  
5734 Susitna Dr

Harahan, LA 70123

**Contact:** Charito Kuylen  
**Telephone Number:** 504-733-1152  
**FAX Number:** 504-733-2218  
**E-Mail:**  
**Web** www.wechem.com

**Product Name:** Hulk System FS 109 (RTU)  
**Revision Date:** 04/30/09  
**MSDS Number:** HFS109RTUB  
**Product Code:** HFS109RTU

### 2 HAZARDS IDENTIFICATION

**Route of Entry:** Skin absorption, 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.

HMIS II-ratings (scale 0-4): Health = 1, Fire = 0, Reactivity = 0

HMIS® Rating H\*1/F0/PH1

NFPA-ratings (scale 0-4): Health = 1, Fire = 0, Reactivity = 0

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
111762	Glycol Surfactant Mixture*	< 10	NA	NA	D

\* Ethylene Glycol Monobutyl Ether

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### 4 FIRST AID MEASURES

**Inhalation:** Remove to fresh air. Resuscitate if necessary. Get medical attention.  
**Skin Contact:** Wash with soap and water. If irritated, seek medical attention.  
**Eye Contact:** Flush with water for 15 minutes. If irritated, seek medical attention.  
**Ingestion:** Do not induce vomiting. Drink two large glasses of water. Get immediate medical attention.

### 5 FIRE FIGHTING MEASURES

**Flash Point:** > 200 Deg. F.  
**Burning Rate:** ND  
**Autoignition Temperature:** ND  
**LEL:** ND  
**UEL:** ND  
**Flammability Classification:** NA

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

### 6 ACCIDENTAL RELEASE MEASURES

Absorb with suitable medium.

### 7 HANDLING AND STORAGE

**Handling Precautions:** Store in a cool, fire resistant area. Handle all containers carefully  
**Storage Requirements:** Store in a cool, fire resistant area. Keep out of reach of children.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Ventilation Requirement: Local exhaust  
**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  
**Exposure Guidelines/Other:** Hygienic work practices: Wash with soap and water before handling food.

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear, blue liquid	<b>Boiling Point:</b>	> 250 Deg. F.
<b>Physical State:</b>	Liquid	<b>Freezing/Melting Pt.:</b>	NA
<b>Odor:</b>	Characteristic	<b>Solubility:</b>	Complete
<b>pH:</b>	12 +/- 1	<b>Spec Grav./Density:</b>	(H2O=1): 0.99 +/- 0.05
<b>Vapor Pressure:</b>	ND		
<b>Vapor Density:</b>	(Air=1): ND		
<b>Heat Value:</b>	NA		
<b>VOC:</b>	NA		
<b>Evap. Rate:</b>	NA		
<b>Bulk Density:</b>	NA		
<b>Octanol:</b>	NA		
<b>Molecular Weight:</b>	NA		
<b>Particle Size:</b>	NA		
<b>Softening Point:</b>	NA		
<b>Viscosity:</b>	NA		
<b>Percent Volatile:</b>	NA		
<b>Sat. Vap. Concentrat.:</b>	NA		
<b>Molecular Formula:</b>	NA		

## 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions to avoid:</b>	NA
<b>Materials to avoid (incompatibility):</b>	Strong oxidizers, acids
<b>Hazardous Decomposition products:</b>	Carbon dioxide, carbon monoxide
<b>Hazardous Polymerization:</b>	Will not occur

## 11 TOXICOLOGICAL INFORMATION

NA

## 12 ECOLOGICAL INFORMATION

NA

## 13 DISPOSAL CONSIDERATIONS

Dispose of according to local, state, or federal regulations.

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## 14 TRANSPORT INFORMATION

Proper Shipping Name: Corrosive Liquids, N.O.S., (Ethanolamine), 8, UN 1760, PG III

## 15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

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\*Ethylene glycol monobutyl ether (111762 <10%) HAP, MASS, OSHAWAC, PA, SARA313, TXAIR

REGULATORY KEY DESCRIPTIONS

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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  
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

END OF MSDS DOCUMENT