

# MSDS Material Safety Data Sheet

Wechem, Inc.



## Hulk System FS 109 (Formulation Base)

MSDS Number: HFS109B

Revision Date: 03/17/09

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

Wechem, Inc  
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Product Name: Hulk System FS 109 (Formulation Base)  
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Product Code: HFS109

### 2 HAZARDS IDENTIFICATION

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.

HMIS II-ratings (scale 0-4): Health = 2, Fire = 1, Reactivity = 0  
HMIS III-ratings (scale 0-4): Health = 2, Fire = 1, Physical Hazard = 2  
NFPA-ratings (scale 0-4): Health = 2, Fire = 1, Reactivity = 0

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
111762	Glycol Surfactant Mixture*	>30	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:** No flash below 200 Deg. F.  
**Flash Point Method:** PMCC  
**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>	Dark blue liquid	<b>Boiling Point:</b>	NA
<b>Physical State:</b>	Liquid	<b>Freezing/Melting Pt.:</b>	NA
<b>Odor:</b>	Characteristic	<b>Solubility:</b>	Complete
<b>pH:</b>	> 13	<b>Spec Grav./Density:</b>	(H2O=1): 0.98 +/- 0.05
<b>Vapor Pressure:</b>	ND		
<b>Vapor Density:</b>	(Air=1): ND		
<b>Heat Value:</b>	NA		
<b>VOC:</b>	~ 37 %		
<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 >30%) 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