

## Hulk System # 80 Component B

MSDS Number: H80BD

Revision Date: 11/24/2014

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<b>1</b>	<b>PRODUCT AND COMPANY IDENTIFICATION</b>
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### Manufacturer

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**Product Name:** Hulk System # 80 Component B  
**Revision Date:** 11/24/2014  
**MSDS Number:** H80BD  
**Product Code:** H80B  
**Product Use:** Concentrate B to be used exclusively with Hulk System #80 Component A.

<b>2</b>	<b>HAZARDS IDENTIFICATION</b>
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**Route of Entry:** Skin absorption  
**Target Organs:** NA  
**Inhalation:** Inhalation of generated mist can cause nasal and respiratory irritation or damage to respiratory tract.  
**Skin Contact:** Irritation  
**Eye Contact:** Causes irritation and burning  
**Ingestion:** Harmful or fatal if swallowed.

PERSONAL PROTECTION INDEX																							
<b>A</b>												<b>G</b>											
<b>B</b>												<b>H</b>											
<b>C</b>												<b>I</b>											
<b>D</b>												<b>J</b>											
<b>E</b>												<b>K</b>											
<b>F</b>												<b>X</b>	Consult your supervisor or S.O.P. for "SPECIAL" handling directions										
<b>A</b>		<b>n</b>		<b>O</b>		<b>P</b>		<b>q</b>		<b>r</b>		<b>S</b>											
<small>Safety Glasses</small>	<small>Splash Goggles</small>		<small>Face Shield &amp; Eye Protection</small>		<small>Face Shield &amp; Eye Protection</small>	<small>Gloves</small>		<small>Boots</small>		<small>Synthetic ABRON</small>	<small>Full Suit</small>	<small>Additional Information</small>											
<b>t</b>		<b>u</b>		<b>w</b>		<b>y</b>		<b>z</b>															
<small>Dust Respirator</small>	<small>Vapor Respirator</small>		<small>Dust &amp; Vapor Respirator</small>		<small>Full Face Respirator</small>	<small>Airline Hood or Mask</small>																	

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GHS Signal Word:  
WARNING

GHS Hazard Pictograms:



GHS Classifications:

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

GHS Phrases:

- H227 - Combustible liquid
- H302 - 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.
- P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
- P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P309+311 - IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.

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### COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients:**

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
111-76-2	Glycol/surfactant Mixture*	>40%	25	25	D

\* Ethylene Glycol Monobutyl Ether

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### 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:** Wash off with soap and water. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops and persists.
- 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.

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### FIRE FIGHTING MEASURES

- Flammability:** NA
- Flash Point:** <200 Deg. F.
- Burning Rate:** ND
- Autoignition Temp:** ND
- LEL:** ND
- UEL:** ND

Extinguishing media: Foam, dry chemical, carbon dioxide, water

Special fire fighting procedures: Full fire fighting turn out gear and respiratory protection (SCBA).

Unusual Fire &amp; Explosion Hazards: None

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### 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.

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### HANDLING AND STORAGE

**Handling Precautions:** Warning: Combustible liquid. Store in a cool, fire resistant area. 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.

**Storage Requirements:** Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking. Warning: Combustible liquid. Store in a cool, fire resistant area. Keep out of reach of children. Keep container tightly closed and in a well-ventilated place. Do not store at temperatures above 49 C/ 120 F. Store in a cool dry, climate controlled area, away from incompatibles, sparks and open flame.

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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 Equip:** 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.

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### PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear, luminous green	<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): 0.98 +/- 0.05	<b>Softening Point:</b>	NA
<b>Viscosity:</b>	NA	<b>Percent Volatile:</b>	NA
<b>Sat. Vap. Conc.:</b>	NA	<b>Heat Value:</b>	NA
<b>Boiling Point:</b>	> 250 Deg. F.	<b>Freezing/Melting Pt.:</b>	NA
<b>Vapor Pressure:</b>	ND	<b>Octanol:</b>	NA
<b>pH:</b>	8.5 +/- 1	<b>Vapor Density:</b>	(Air=1): ND
<b>Evap. Rate:</b>	NA	<b>VOC:</b>	~ 46 %
<b>Molecular weight:</b>	NA	<b>Bulk Density:</b>	NA

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### STABILITY AND REACTIVITY

**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

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### TOXICOLOGICAL INFORMATION

Data summary for the components are as follows:

Ethylene glycol monobutyl ether (111-76-2)

Oral LD50 470 mg/kg (Rat)

Dermal LD50 2270 mg/kg (Rat)

Dermal LD50 220 mg/kg (Rabbit)

Inhalation LC50 2.21 mg/L 4h, (Rat)

Inhalation LC50 450 ppm 4h, (Rat)

Surfactant :(CAS NA)

LD50 Oral: 2310 mg/kg (Rat)

LD50 Dermal: 6300 mg/kg (Rat)

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### ECOLOGICAL INFORMATION

None Available

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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: Not Regulated

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### REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

\*Ethylene glycol monobutyl ether (111762 &gt;40%) HAP, MASS, OSHAWAC, PA, SARA313, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

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

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. \*\* 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