

Hulk System # 60 Component B

MSDS Number: H60B5C

Revision Date: 12/8/2014

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1	PRODUCT AND COMPANY IDENTIFICATION
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Manufacturer

Wechem, Inc
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Product Name: Hulk System # 60 Component B
Revision Date: 12/8/2014
MSDS Number: H60B5C
Product Code: H60C
Product Use: Concentrate B to be used exclusively with Hulk System #60 Component A.

2	HAZARDS IDENTIFICATION
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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 and burning
Eye Contact: Causes irritation and burning
Ingestion: Harmful or fatal if swallowed.

PERSONAL PROTECTION INDEX																							
A												G											
B												H											
C												I											
D												J											
E												K											
F												X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions										
A		n		O		p		q		r		S											
t		u		w		y		z		Additional Information													

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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.

3	COMPOSITION/INFORMATION ON INGREDIENTS
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Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
111-76-2	Glycol/surfactant Mixture*	>20%	50	20	D

* Ethylene Glycol Monobutyl Ether

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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:** 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.

5 FIRE FIGHTING MEASURES

- Flammability:** NA
- Flash Point:** 165 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: None. Self contained breathing apparatus and protective clothing.

Unusual Fire & Explosion Hazards: None known

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: 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

Appearance:	Blue liquid	Odor:	Characteristic
Physical State:	Liquid	Molecular Formula:	NA
Particle Size:	NA	Solubility:	Complete
Spec Grav./Density:	(H2O=1): 1.00 +/- 0.05	Softening Point:	NA
Viscosity:	NA	Percent Volatile:	NA
Sat. Vap. Conc.:	NA	Heat Value:	NA
Boiling Point:	> 212 Deg. F.	Freezing/Melting Pt.:	NA
Vapor Pressure:	ND	Flash Point:	165 Deg. F.
pH:	8 +/- 1	Octanol:	NA
Evap. Rate:	NA	Vapor Density:	(Air=1): ND
Molecular weight:	NA	VOC:	~ 22 %
		Bulk Density:	NA

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STABILITY AND REACTIVITY

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

Conditions to Avoid: Heat. Contact with strong oxidizers.

Materials to Avoid: Strong oxidizers.

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)

No data is available on the product itself.

Components:

LD50 Oral >1400 mg/kg (Rat)

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ECOLOGICAL INFORMATION

Aquatic Toxicity

Surfactant : (CAS NA)

No data is available on the product itself.

Components:

Fish LC50 1-10 mg/l, 96 hrs, Fathead minnow (*Pimephales promelas*)

Daphnia EC50 1-10 mg/l, 48 hrs. *Daphnia magna*

Algae EC50 1-10 mg/l, 96 hrs Algae

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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 >20%) HAP, MASS, OSHAWAC, PA, SARA313, TSCA, TXAIR
*Surfactant Mixture (NA NA%) TSCA

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
TSCA = Toxic Substances Control Act

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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