WECHEM Engineered Chemistries Superior Solutions **SDS**

Hulk System Degreaser # 60 (Rev 1-11-24)

SDS Number: HB60E

Revision Date: 1/11/2024

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer
Wechem, Inc
5734 Susitna Dr
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Product Identifier: Hulk System Degreaser # 60 (Rev 1-11-24)
SDS Number: HB60E
Product Code: HB60
Revision Date: 1/11/2024

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 A
Health, Specific target organ toxicity - Single exposure, 3

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

GHS Precautionary Statements:

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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.
P363 - Wash contaminated clothing before reuse.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P304+312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P311 - Call a POISON CENTER or doctor/physician.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Skin absorption, ingestion,eyes, inhalation

Target Organs: NA
Inhalation: Inhalation of generated mist can cause nasal and respiratory irritation or damage to respiratory tract.
Skin Contact: Corrosive. Causes irritation and burning.
Eye Contact: Causes irritation and burning
Ingestion: Corrosive material. Harmful or fatal if swallowed.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
111-76-2	<5%	Ethylene glycol monobutyl ether
1310-58-3	<2%	Potassium hydroxide
60-00-4	<1%	Ethylenediamine-tetraacetic acid (EDTA)

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: ND
Flash Point: > 200 Deg. F.
Flash Point Method: NA
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 & 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

Handling Precautions: Warning: 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 practice.

Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

Storage Requirements: Warning: 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, PVC
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.

Ethylene glycol monobutyl ether cas#:(111-76-2) [<5%]

Components with workplace control parameters

TWA	20 ppm	USA. ACGIH Threshold Limit Values (TLV)

Eye & Upper Respiratory Tract irritation
Confirmed animal carcinogen with unknown relevance to humans

TWA	5 ppm 24 mg/m3	USA. NIOSH Recommended Exposure Limits

Potential for dermal absorption

TWA	50 ppm 240 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

Skin designation
The value in mg/m3 is approximate.

TWA	25 ppm 120 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

Skin notation

Potassium hydroxide cas#:(1310-58-3) [<2%]

Components with workplace control parameters

C	2 mg/m3	USA. ACGIH Threshold Limit Values (TLV)

Eye, skin, & Upper Respiratory Tract irritation

C	2 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

C	2 mg/m3	USA. NIOSH Recommended Exposure Limits

Ethylenediamine-tetraacetic acid (EDTA) cas#:(60-00-4) [<1%]

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, blue		
Physical State:	Liquid	**Odor:**	Characteristic
Particle Size:	NA	**Molecular Formula:**	NA
Spec Grav./Density:	(H20=1): 1.02 +/- 0.05	**Solubility:**	Complete
Viscosity:	NA	**Softening Point:**	NA
Saturated Vapor Concentration:	NA	**Percent Volatile:**	NA
Boiling Point:	>212 Deg. F	**Flash Point:**	> 200 Deg. F.
Vapor Pressure:	Not determined	**Vapor Density:**	(Air=1): ND
pH:	14	**VOC:**	Not determined
Evap. Rate:	Not available		

10 STABILITY AND REACTIVITY

Chemical 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

11 TOXICOLOGICAL INFORMATION

Data summary for the components are as follows:

Ethylene glycol monobutyl ether cas#:(111-76-2) [<5%]

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

Potassium hydroxide cas#:(1310-58-3) [<2%]

Information on toxicological effects

Acute toxicity:
LD50 Oral - rat - 333 mg/kg
Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: Severe skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - rabbit Result: Corrosive to eyes (OECD Test Guideline 405)

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: TT2100000

Ethylenediamine-tetraacetic acid (EDTA) cas#:(60-00-4) [<1%]

Information on toxicological effects

Acute toxicity:
LD50 Oral - rat - male and female - 4,500 mg/kg
Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: No skin irritation

Serious eye damage/eye irritation: Eyes - rabbit Result: Eye irritation

Respiratory or skin sensitisation: Maximisation Test - rabbit Result: Does not cause skin sensitisation.

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: AH4025000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12 ECOLOGICAL INFORMATION

May cause long-term adverse effects in the aquatic environment.

Ethylene glycol monobutyl ether cas#:(111-76-2) [<5%]

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

Potassium hydroxide cas#:(1310-58-3) [<2%]

Information on ecological effects

Toxicity:
Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 80 mg/l - 96 h.

Persistence and degradability: The methods for determining the biological degradability are not applicable to inorganic substances.

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.

no data available

Ethylenediamine-tetraacetic acid (EDTA) cas#:(60-00-4) [<1%]

Information on ecological effects

Toxicity:
Toxicity to fish static test LC50 - Lepomis macrochirus (Bluegill sunfish) - 41 mg/l - 96 h.
Toxicity to daphnia and static test EC50 - Daphnia magna (Water flea) - 625 mg/l - 48 h.
other aquatic invertebrates

Persistence and degradability: Bioaccumulative potential:

Bioaccumulation Lepomis macrochirus - 28 d - 80 µg/l
Bioconcentration factor (BCF): 1.8

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: May be harmful to aquatic organisms due to the shift of the pH. Avoid release to the environment.

13 DISPOSAL CONSIDERATIONS

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

14 TRANSPORT INFORMATION

Proper Shipping Name: NA 1760,Compounds, Cleaning Liquid, (Potassium Hydroxide), 8, PG II

15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[<5%] Ethylene glycol monobutyl ether (111-76-2) HAP, MASS, OSHAWAC, PA, SARA313, TSCA, TXAIR

[<2%] RQ(1000LBS), Potassium hydroxide (1310-58-3) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

[<1%] Ethylenediamine-tetraacetic acid (EDTA) (60-00-4) CERCLA, CSWHS, HAP, MASS, PA, TSCA

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

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Regulatory Code Legend
-----------------------------------------------------------------
RQ = Reportable Quantity
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
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
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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.
N/A = Not available N/D = Not determined

Revision Date: 1/11/2024