

Product Code: MSDS035
Product Name: KNOCKOUT
 ITEM CODES: KNOCK55GAL, 338833

24-hour Emergency Phone: (800) 535-5053

HMIS CODES H F R P
 3 0 0 X

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DISTRIBUTED BY:

16001 TRADE ZONE AVE.
UPPER MARLBORO, MD 20774

2. HAZARDS IDENTIFICATION

Prolonged or repeated exposure may result in eye irritation, defatting of the skin, or if ingested nausea, vomiting and stomach irritation. DANGER! CORROSIVE. CAUSES BURNS TO ANY AREA OF CONTACT. HARMFUL IF SWALLOWED OR INHALED. Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if inhaled. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Aspiration hazard.

Hazard Category: Skin and Eyes: Corrosive
Acute Toxicity Category 4
Aspiration Category 1



Potential Health Effects EYE:

Corrosive to eyes.

SKIN:

Causes skin irritation. Corrosive to the skin.

INGESTION:

This product if swallowed, can cause severe burns and tissue perforation.

INHALATION:

Prolonged inhalation may result in respiratory irritation. Under normal conditions, using adequate ventilation no problems are expected. If inhaled in high concentrations, vapors may be corrosive. Causes burns to the respiratory tract.

CHRONIC (CANCER) INFORMATION:

Not listed by IARC or NTP as a carcinogen.

TERATOLOGY (BIRTH DEFECT) INFORMATION:

Not classified as a teratogen. A raw material in this product has caused birth defects in laboratory animals when ingested in high doses by pregnant animals. Did not cause harm to the pregnant animal or to the fetus when applied to the skin of the pregnant animal.

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REPRODUCTION INFORMATION:

Does not harm reproductive cells.

3. COMPOSITION/INFORMATION ON

INGREDIENTS

Component/Exposure Limits	CAS#	% by Wt.
* Sodium Hydroxide	1310-73-2	9
OSHA PEL: 2 mg/m3		
ACGIH ceiling: 2 mg/m3		
Phosphate Ester	Not Released	Not Regulated
Hexylene glycol	107-41-5	Not Regulated
ACGIH Ceiling Limit Value: 25 ppm		
ACGIH Ceiling Limit Value and Time Period (if specified): 25 ppm		
NIOSH Ceiling Limit Value and Time Period (if specified): 125 mg/m3		
Phosphoric Acid	7664-38-2	Not Regulated

4. FIRST AID MEASURES

EYES:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye(s). Call a poison control center or doctor for treatment advice.

SKIN:

Immediately flush skin with water while removing contaminated clothing and shoes. Seek medical attention if irritation persists. Wash clothing before reuse and discard contaminated shoes.

INGESTION:

Seek immediate medical attention. Do not induce vomiting. Vomiting will cause further damage to mouth and throat. If individual is conscious and alert, immediately rinse mouth with water and give milk or water to drink. If possible, do not leave the individual unattended.

INHALATION:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIANS:

MATERIAL IS CORROSIVE. It may not be advisable to induce vomiting. Possible mucosal damage may contraindicate the use of

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gastric lavage. Measures against circulatory shock and convulsions maybe necessary. The absence of visible signs or symptoms of burns does NOT reliably exclude the presence of actual tissue damage. Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: 96.11 C **Method: Open Cup**
Greater than 200F. Not flammable.

FLAMMABLE LIMITS:

Lower flammable limit: 1.2% (V)
Upper flammable limit: 7.4% (V)

AUTOIGNITION TEMPERATURE:

Not Applicable.

HAZARDOUS COMBUSTION PRODUCTS:

Oxides of carbon. May form: Carbon dioxide and carbon monoxide, Phosphorus compounds, Oxides of phosphorus, toxic fumes.

EXTINGUISHING MEDIA:

Dry chemical, foam, carbon dioxide, water fog. Use water to cool fire-exposed containers and to protect personnel. Dry chemical, carbon dioxide, foam, or water fog. Class BC, ABC Fire Extinguisher.

FIREFIGHTING INSTRUCTIONS:

Wear appropriate and suitable protective clothing and breathing equipment for the situation. Follow NFPA Fire Protection Guidelines. Use self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Use appropriate containment to avoid run-off. Keep out of streams, sewers and waterways. Collect free material. Absorb remainder on inert absorbant. Wash area with plenty of water.

LARGE SPILL:

If possible, clean up spill area on a dry basis and then flush with plenty of water. Absorb liquid with vermiculite, floor absorbent or other absorbent material. Keep out of sewer, streams, ponds, lakes, or other waterways.

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7. HANDLING AND STORAGE

HANDLING:

Concentrate is corrosive to all body tissues. Containers, even those that have been emptied, will retain product residue and vapor and should be handled as if they were full. Do not eat, drink or smoke in areas where this material is used. After handling, always wash hands thoroughly with soap and water. Do not handle near acids or oxidants. Use only with adequate ventilation/personal protection. Avoid contact with eyes, skin or clothing. Aluminum equipment should not be used for storage and/or transfer.

STORAGE:

Take the usual chemicals handling precautions. Avoid contact with eyes, skin and clothing. Wear appropriate protective equipment. Wash thoroughly after handling.
Do not take internally.
Keep out of reach of children.
Do not contaminate food or water by storage or disposal. Keep containers closed when not in use. Store in original containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use local and general exhaust ventilation to effectively remove and prevent buildup of mist/vapors/fumes generated from handling this product.

RESPIRATORY PROTECTION:

None Normally Needed. If vapors are present, use NIOSH approved respirator or self contained breathing apparatus.

SKIN PROTECTION:

Wear impervious gloves, safety apron, and clothing if there is a chance of skin contact with product.

EYE PROTECTION:

Chemical splash goggles with side shields recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 198C 388F
MELTING POINT: Not applicable.
VAPOR PRESSURE: NO INFORMATION AVAILABLE.
VAPOR DENSITY: (Air=1): >1
SOLUBILITY IN WATER: Soluble
SPECIFIC GRAVITY: 1.106
pH: 12.8-13.8
ODOR: Mild detergent. No fragrance added.

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APPEARANCE: Brown liquid.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID):

Stable.

INCOMPATIBILITY:

Strong oxidizing agents, strong acids. Strong Alkali. Strong oxidizing agents. May react with strong alkalies. Acids, flammable liquids, halogenated compounds. Prolonged contact with brass, aluminum, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon, may be emitted if product burns. Oxides of carbon and phosphorous. Phosphorous compounds.

HAZARDOUS POLYMERIZATION:

Will not occur.

11. TOXICOLOGICAL INFORMATION

EYE:

CORROSIVE!

SKIN:

Long term contact to the skin with the formulated product may be corrosive.

INGESTION:

Corrosive.

INHALATION:

Severely irritating.

SUBCHRONIC:

All components of this product are listed on the U. S. TOXIC SUBSTANCE CONTROL ACT (TSCA) Inventory or exemption has been granted in accordance with 40 CFR 723.50.

CHRONIC/CARCINOGENICITY:

Not classified as a carcinogen.

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TERATOLOGY:

Not a teratogen.

REPRODUCTION:

Not expected to effect human reproduction.

MUTAGENICITY:

Not mutagenic.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

Toxic to aquatic organisms.

CHEMICAL FATE INFORMATION:

There is no data available on the product. This material will not bioaccumulate. Material will disassociate into ionic form in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Dispose of according to current and applicable Local, State and Federal Laws and Regulations by a licensed disposal agent.

Dispose empty containers in accordance with applicable regulations.

14. TRANSPORT INFORMATION(Not meant to be all inclusive)

UN3266, CORROSIVE, LIQUID, BASIC, INORGANIC, 8, III
LIMITED QUANTITY UNDER 1.3 GALLONS

15. REGULATORY INFORMATION: (Not meant to be all inclusive - selected regulations represent

U.S. FEDERAL REGULATIONS:

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) 29 CFR 1910.1200

OSHA:

HAZCOM STANDARD

CERCLA: SARA HAZARD CATEGORY:

Contains an ingredient that is an acute health hazard.

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SECTION 313:

NO INFORMATION AVAILABLE.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS:

Class E: Corrosive Liquid

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):

No Information Available.

EINECS:

NO INFORMATION AVAILABLE.

STATE REGULATIONS:

NO INFORMATION AVAILABLE.

VOLATILE ORGANIC COMPOUNDS:

NO INFORMATION AVAILABLE.

16. OTHER INFORMATION

SDS Status:

Compliant with OSHA's new GHS safety data sheet (SDS).

Information in this Safety Data Sheet (SDS) is based on sources other than direct test data and is given in good faith. No warranty is expressed or implied. We believe that the information is current as of the date of this SDS. The use of this information, the conditions, the methods of handling, storage, use and disposal of the product are not within the control of the manufacturer and distributor, therefore it is the user's responsibility and obligation to determine the conditions of the safe use of this product and to ensure that its activities comply with all laws and regulations.