

MATERIAL SAFETY DATA SHEET

March 17, 1992
Revision February 15, 1994

Page 1

Section 1

Product Information

Product Name "Black Jack" All-Purpose Cleaner/Degreaser

Hazard Rating	Health	1	0 = Least
	Fire	0	1 = Slight
	Reactivity	1	2 = Moderate
			3 = High
			4 = Severe

Manufacturer's Name CHEMaster, Inc.
 Company Address 105 S. Railroad Street
 P.O. Box 392
 Midville, GA 30441
 Company Phone (912) 589-7917
 Emergency Phone (800) 255-3924

Section 2

Physical Data

Appearance purple liquid
 Specific Gravity not established
 Solubility in Water complete
 Vapor Press mm hg a 20 Cel not established
 Evaporation rate slower than n-butyle-acetate
 Percent volatile by weight (%) less than .05%

Hazardous IngredientsExposure Limits**

<u>CAS #</u>	<u>Ingredient</u>	<u>TLV</u>	<u>OSHA-PEL</u>
111-76-2	Ethanol, 2-butoxy	25-PPM	50-PPM
6834-92-0	Disodium salt	not established	
7758-29-4	Sodium Tripolyphosphate	not established	
1310-73-2	Sodium Hydroxide	2 mg/m3 15-PPM	15-PPM

Section 3

Health Hazard Data

Routes of Exposure: Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation and personal protective equipment.

ACUTE HEALTH HAZARDS
Inhalation:

High concentrations are irritating to the eyes and respiratory tract. May cause headache, dizziness, nausea, vomiting and malaise.

Skin Contact:

Corrosive. Chemical and possible thermal burns. Prolonged and widespread contact, as with chemical saturated clothing can cause reddening, swelling and damage to the skin. The use of chemical resistant gloves is recommended. Glove types are: Rubber, Latex, Plastic. Do not use leather or wool.

Penetrates skin readily. Frequent or widespread contact may result in the absorption of potentially harmful amounts. Signs and symptoms of toxicity are similar to those of swallowing.

Swallowing:

Moderately toxic. May cause headache, dizziness, incoordination, nausea, vomiting, diarrhea, and general weakness. Ingestion may cause red blood cell hemolysis and possible liver and kidney injury.

Eye Contact:

Causes irritation and possible corneal injury.

Other Health Information:

Repeated overexposure may cause hemolysis of the red blood cells leading to possible liver and kidney damage. Because of its irritating and defatting properties, this material may exacerbate an existing dermatitis.

CARCINOGENICITY: The components in this product are not considered to be a carcinogen by the National Toxicology Program, the International Agency for Research on Cancer or the Occupation Safety and Health Administration.

Section 4

Emergency First Aid

INHALATION

Remove from exposure, get medical attention if necessary.

SKIN CONTACT

Remove contaminated clothing and wash with water. (*note, a simple water rinse is not adequate to remove this product from the skin, continue to water flush until slipperiness is gone.

SWALLOWING

Drink plenty of water or fruit juice. Get immediate medical attention.

EYE CONTACT

Flush with water for 10 - 15 minutes, including under the eyelids. Seek medical attention.

Section 5

Fighting Measures

- Flash Point not determined
- Flammability limits in air
- Extinguishing media water spray, carbon dioxide, dry chemical, alcohol-type or universal-type foams applied by manufacturer's recommended techniques.
- Special Fire Fighting Full protective equipment including self-contained breathing apparatus should be worn.
- Unusual Fire and Explosion Hazards .. Keep containers closed. Isolate from heat, electrical equipment, and open flames. Closed containers may explode upon exposure to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard.
-
-

Section 6

Spill or Leak Procedures

Protective clothing and equipment must be worn by clean-up personnel. Contain spillage or leakage in suitable container or contain in a holding area. A temporary holding area may be formed with an earthen dike system. Do not allow drainage to reach sewers, streams or storm conduits. Recover with vacuum equipment such as a septic tank truck or neutralize with weak acid solutions and flush with water. Avoid splashing or misting which could increase health hazards.

Section 7 & 8

Precautions for Safe Handling & Use/Personal Protection

- Respiratory Protection none normally required w/adequate ventilation
- Ventilation local exhaust is recommended, general mechanical ventilation is adequate
- Protective Clothing gloves, coveralls, aprons, boots, as needed to prevent skin contact
- Eye Protection safety glasses or goggles should be worn in all industrial operations
-
-

Handling Instructions: Handle as corrosive liquid as appropriate. Avoid eye contact and prolonged contact with the skin. Use adequate ventilation. Wash thoroughly after handling.

Section 9

Physical & Chemical Properties

(See Section 2, page 1)

Section 10

Reactivity Data

Product Stability Stable
Chemical Incompatibility This product is alkali and not compatible with strong acids
Hazardous Decomposition If used in tank cleaning applications this material, upon contact with certain food products or their residues which contain reducing sugars may react to form carbon monoxide gas. Proper tank entry and occupancy procedures should be observed. Monitor the tank atmosphere for the presence of carbon monoxide. Under fire conditions this material will not support combustion. However, it may react with certain metals to form flammable hydrogen gas.
Hazardous Polymerization will not occur

Section 11

Toxicology Information

This product is a strong alkali compound and is destructive to tissue. See Section 4 for specific first aid measures.

Section 12

Ecological Information

This compound contains a small amount (less than 5%) of phosphates. Some studies have indicated that phosphates are harmful to aquatic life. Do not dispose in or near lakes, streams or ponds. As with any degreasing application, care should be taken to properly dispose of petroleum wastes and sludge removed from equipment that has been cleaned by this product. This product is biodegradable under normal atmospheric conditions.

Section 13

Disposal Considerations

Comply with all applicable governmental regulations on spill reporting and handling of disposal wastes.

Section 14

Transport Information

This product is a class 4 ORM-D non-regulated material subject to all applicable DOT regulations.

Section 15Regulatory Information

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

<u>CAS #</u>	<u>Chemical Name</u>	<u>Percent by Weight</u>
NONE		

This information should be included in all MSDSs that are copied and distributed for this material.

Section 16Other Information

This information is drawn from recognized sources believed to be reliable. CHEMaster, Inc. makes no guarantees or assumes any liability in connection with this information. The user should be aware of changing technology, research, regulation and analytical procedures that may require changes herein. The data in this MSDS is supplied upon the condition that persons will evaluate this information and then determine its suitability for their use. Only USA regulations apply to the above. Complies with Ansi 2400-1.