



333 Hollenbeck St.  
 Rochester NY 14621  
 Information: 585-336-2200

Emergency Phone:  
 INFOTRAC: 1-800-535-5053  
 OUTSIDE US: 1-352-323-3500

# MATERIAL SAFETY DATA SHEET

REVISION DATE: 07/27/2004  
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REVISION NUMBER: 5  
 PREPARED BY: EH&S DEPARTMENT

## 1. CHEMICAL PRODUCT

PRODUCT NAME: **ALPHA 3, Concentrated Heavy Duty Cleaner**  
 MSDS FORM NUMBER: 5006C

NFPA/HMIS HAZARD CODES(minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 1/1 Fire: 0/0  
 Reactivity: 0/0 Special/Protective Equipment: None/B

## 2. HAZARDS IDENTIFICATION

### EFFECTS FROM ACUTE EXPOSURE:

**INGESTION:** Large amounts may cause irritation, nausea, diarrhea. Non-toxic.  
**SKIN CONTACT:** Causes mild skin irritation.  
**INHALATION:** Irritates mucous membranes.  
**EYE CONTACT:** Causes mild eye irritation.  
**CHRONIC EFFECTS:** None expected in normal use.  
**EFFECTS/CARCINOGENICITY:** None listed under OSHA, IARC, or NTP.  
**ROUTES OF ENTRY:** Inhalation. Eyes. Dermal - Skin. Oral.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS #	%	ACGIH TLV	OSHA PELs
Detergents MIXTURE	10 max.	NA	NA

## 4. FIRST AID MEASURES

**INGESTION:** Drink one or two glasses of water. Get medical attention. Never give anything by mouth to an unconscious person.  
**SKIN:** Flush skin with large amounts of water. If irritation persists, get medical attention.  
**INHALATION:** Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.  
**EYES:** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.  
**NOTES TO PHYSICIAN:** None.

## 5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): None (C): NA

## ALPHA 3, Concentrated Heavy Duty Cleaner

**METHOD:** None  
**FLAMMABLE LIMITS IN AIR**  
**- LOWER (%):** NA  
**- UPPER (%):** NA

**SENSITIVITY TO MECHANICAL IMPACT(Y/N):** NO  
**SENSITIVITY TO STATIC DISCHARGE:** Sensitivity to static discharge is not expected.  
**EXTINGUISHING MEDIA:** As for surrounding fire. Product is mostly water and will not burn.  
**FIRE FIGHTING PROCEDURES:** None.

### 6. ACCIDENTAL RELEASE MEASURES

**SPILL PROCEDURES:**

**SMALL SPILLS:** Flush with water.

**LARGE SPILLS:** Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.

### 7. HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN** Store in a dry location away from heat and direct sunlight.  
**IN HANDLING AND STORAGE:**

**OTHER PRECAUTIONS:** Keep out of reach of children.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**PROTECTIVE EQUIPMENT:**



**EXPOSURE CONTROLS:** None  
**RESPIRATORY PROTECTION:** None required.  
**PROTECTIVE GLOVES:** Rubber or plastic gloves recommended to minimize skin contact.  
**EYE PROTECTION:** Safety Glasses. Goggles.  
**OTHER PERSONAL PROTECTION EQUIPMENT:** None required.  
**VENTILATION:** None required. General mechanical and/or local exhaust as needed if mist or vapors cause irritation.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE AND ODOR:** Clear purple liquid. Lemon odor.  
**BOILING POINT (F):** 212 (C) NA  
**VAPOR PRESSURE:** As water  
**VAPOR DENSITY (AIR=1):** As water  
**SOLUBILITY IN WATER:** NA  
**SPECIFIC GRAVITY:** 1.01  
**VOC Content (%):** 0  
**VOV Content (%):** NE  
**EVAPORATION RATE:** As water  
**PH:** 10.5 - 11.0

### 10. STABILITY AND REACTIVITY

## ALPHA 3, Concentrated Heavy Duty Cleaner

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**STABILITY DATA:** STABLE  
**POLYMERIZATION:** Will Not Occur.  
**HAZARDOUS DECOMPOSITION:** None  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Contact with acids. Neutralizes active ingredients.  
**CONDITIONS/HAZARDS TO AVOID:** None.

### 11. TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY:** NE  
**EFFECTS OF CHRONIC EXPOSURE:** NE  
**OTHER TOXIC EFFECTS:** NE

### 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** No data at this time  
**CHEMICAL FATE INFORMATION:** No data at this time.

### 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHODS:** Dispose in accordance with Federal, State and Local regulations.

### 14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

### 15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS #	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Detergents MIXTURE	10 max.	Not Listed	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS #	%	CERCLA:	SARA 302:	SARA 313:
Detergents MIXTURE	10 max.	Not Listed	Not Listed	Not Listed

None of the components of this material are included in the Massachusetts Substance List nor are present at or above reportable levels.

None of the components of this material are included in the New Jersey Substance List nor are present at or above reportable levels.

None of the components of this material are included in the Pennsylvania Substance List nor are present at or above reportable levels.

### 16. OTHER INFORMATION

Health and safety information presented on this form is generally applicable at recommended dilutions, varying only in degree. This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and

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**\*\*\* END OF MSDS \*\*\***