

# SAFETY DATA SHEET

## 1. PRODUCT IDENTIFICATION & COMPANY INFORMATION

PRODUCT: Advanced HD Degreaser

ITEM: 802S

RECOMMENDED USE: Cleaner/Degreaser

DATE ISSUED :	10/15/2015
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SDS REF. No :	802S
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**SUPPLIER:**

Total Clean Equipment  
2070 North White Ave.  
LaVerne, CA 91750

**24 HR. EMERGENCY TELEPHONE NUMBER:**

(800) 200-3432

**NON-EMERGENCY TELEPHONE NUMBER:**

909-598-2706

## 2. HAZARDS INGREDIENTS & IDENTIFICATION

**GHS CLASSIFICATION:**

Product AS SOLD  
Eye irritation Category 2B

Product AT USE DILUTION  
Not a hazardous substance or mixture

**GHS LABEL ELEMENT**

Product AS SOLD  
Signal Word Warning

Hazard statements: Causes eye irritation

**PRECAUTIONARY STATEMENTS:**

**PREVENTION:**

Wash skin thoroughly after handling.

**RESPONSE:**

Get medical advice/attention if you feel unwell.

If in EYES:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**OTHER HAZARDS:**

May be harmful if swallowed.  
May be harmful if absorbed through skin.  
Inhalation of vapors or mist may cause respiratory irritation.  
Keep out of reach of children.

**STORAGE:**

Store in accordance to local regulations.

**DISPOSAL METHOD:**

Dispose of in accordance with all Local, State and Federal regulations.

**EMPTY CONTAINER:**

Nonrefillable container. Do not reuse or refill container. Before discarding container, rinse thoroughly with water.

## 3. PHYSICAL DATA/COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight%
Water	7732-18-5	60-100
tetrapotassium pyrophosphate	7320-34-5	1-5
2-(2-Butoxyethoxy) ethanol	112-34-5	1-5
tetrasodium ethylenediaminetetraacetate	64-02-8	<1.0
sodium xylene sulfonate	1310-73-2	1-5
sodium silicate	1344-09-8	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

## 4. HEALTH HAZARD DATA & FIRST AID MEASURES

EYES : Rinse with plenty of water.  
SKIN : Rinse with plenty of water.  
INGESTION : Rinse mouth. Get medical attention if symptoms occur.  
INHALATION : Get medical attention if symptoms occur.  
NOTES TO PHYSICIAN: Treat symptomatically.

## 5. FIRE FIGHTING & EXPLOSION DATA/MEASURES

SUITABLE EXTINGUISHING MEDIA: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water, Carbon Dioxide, Dry Chemical, Foam.  
UNSUITABLE EXTINGUISHING MEDIA: None Known

**SPECIFIC HAZARDS DURING FIRE FIGHTING:** Not flammable or combustible.  
**HAZARDOUS COMBUSTION PRODUCTS:** None Known  
**FIRE FIGHTING EQUIPMENT :** Avoid breathing of vapors. Apply water spray to cool fire-exposed containers and structures. Use water spray to disperse vapors. Use Self Contained Breathing Apparatus (SCBA) or NIOSH approved respirator and protective clothing.  
**SPECIAL EXTINGUISHING:** Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of and/or explosion do not breathe fumes.  
**OTHER CONSIDERATIONS :** If material is released, area will become slippery.

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PRODCDURES:** Wear protective equipment as needed. Refer to protective measures listed in sections 7 and 8.  
**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** To contain spilled material, dike area involved. Remove source of ignition and provide ventilation. To absorb product, use porous material such as diatomaceous earth, sand or a commercial absorbent. Using a shovel, place into leak proof containers.  
**WATER DI SPOSAL METHOD:** Dispose of according to local, state and federal regulations. Wear protective equipment as needed.  
**ENVIRONMENTAL PRECAUTIONS:** Do not allow contact with soil, surface or ground water.

## 7. PRECAUTIONS FOR SAFE HANDLING/STORAGE/USE

**SAFE HANDLING:** Wash hands thoroughly after handling.  
**GENERAL PROCEDURES :** Store in original container in an upright position in a cool, dry area inaccessible to children and pets. Keep away from direct sunlight and freezing conditions. Do not store near oxidizers, alkalies, acids and bleach. Do not mix with other chemicals.  
**STORAGE TEMPERATURE:** 0 °C to 50 °C

## 8. EXPOSURE CONTROLS\PERSONAL PROTECTION (PPE)

### OCCUPATIONAL EXPOSURE LIMITS:

Chemical Name	CAS Number	ACGIH TLV	OSHA PEL	NIOSH
2-(2-Butoxyethoxy) ethanol	112-34-5	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>

**OSHA TABLE COMMENTS:** NL = Not Listed  
**ENGINEERING CONTROLS:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### PERSONAL PROTECTIVE EQUIPMENT:

**EYES AND FACE:** No special protective equipment required.  
**HAND:** No special protective equipment required.  
**SKIN:** No special protective equipment required.  
**RESPIRATORY:** No personal respiratory protective equipment normally required.  
**WORK HYGIENIC PRACTICES:** Avoid accidental spills on skin, wash after use. Wash contaminated clothing prior to reuse.  
**OTHER USE PRECAUTIONS:** Have clean water available for washing. Provide adequate ventilation or use mechanical devices.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPERANCE/PHYSICAL STATE:** Liquid  
**COLOR:** Clear/Yellow/Green  
**ODOR:** Butyl  
**pH:** 13.5  
**FLASH POINT:** None  
**ODOR THRESHOLD:** No Data Available  
**MELTING POINT/FREEZING POINT:** No Data Available  
**BOILING POINT:** >212°F  
**EVAPORATION RATE:** (Water=1): >1 (slower than water)  
**FLAMMABILITY (SOLID, GAS):** No Data Available  
**UPPER EXPLOSION LIMIT:** No Data Available  
**SPECIFIC GRAVITY:** (H<sub>2</sub>O=1): 1.05  
**LOWER EXPLOSION LIMIT:** No Data Available  
**VAPOR PRESSURE:** No Data Available  
**RELATIVE VAPOR DENSITY:** (Air=1): >1 (heavier than air)  
**RELATIVE DENSITY:** No Data Available  
**WATER SOLUBILITY:** 100%  
**SOLUBILITY IN OTHER SOLVENTS:** No Data Available  
**PARTITION COEFFICIENT: N-OCTANOLI/WATER:** No Data Available  
**AUTOIGNITION TEMPERATURE:** No Data Available

THERMAL DECOMPOSITION: No Data Available  
 VISCOSITY, KINEMATIC: No Data Available  
 EXPLOSIVE PROPERTIES: No Data Available  
 OXIDIZING PROPERTIES: No Data Available  
 MOLECULAR WEIGHT: No Data Available  
 VOC: No Data Available

## 10. STABILITY AND REACTIVITY

STABILITY : Stable  
 HAZARDOUS POLYMERIZATION : Will NOT Occur  
 CONDITIONS TO AVOID : Extreme heat or flame. Avoid contact with soft metals. Keep from freezing.  
 POLYMERIZATION : Will NOT Occur  
 HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2, Nitrogen  
 INCOMPATIBLE MATERIALS : None.

## 11. TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE: Inhalation, Ingestion, Eye contact, Skin contact.

### SYMPTOMS OF EXPOSURE:

Eye Contact: Causes eye irritation.  
 Skin Contact: May cause irritation.  
 Ingestion: Pain, nausea, vomiting and diarrhea  
 Inhalation: May cause nasal discomfort and coughing.

### IMMEDIATE, DELAYED, CHRONIC EFFECTS:

Product Information: Data not available for insufficient for classification.

### TARGET ORGAN EFFECTS:

Eyes. Respiratory System. Skin. Blood. Central Nervous System.  
 Hematopoietic System. Kidney. Liver.

### NUMERICAL MEASURES OF TOXICITY:

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 6195 mg/kg  
 ATEmix (dermal): 13585 mg/kg  
 ATEmix (inhalation-dust/mist): 29.7 mg/L  
 ATEmix (inhalation-vapor): 74.2 mg/L

### COMPONENT ACUTE TOXICITY INFORMATION

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
Water	7732-18-5	>90 mL/kg (Rat)	Not Available	Not Available
2-(2-Butoxyethoxy) ethanol	112-34-5	=470 mg/kg (Rat)	=2270 mg/kg (Rat) =220 mg/kg (Rabbit)	=2.21 mg/L (Rat) 4 h =450 ppm (Rat) 4 h

Carcinogenicity: No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION:

This product has no known ecotoxicological effects. Non Identified

### ECOTOXICITY

Chemical Name (CAS)	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
2-(2-Butoxyethoxy) ethanol (112-34-5)	Not Available	1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	Not Available	1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50

Persistence and Degradability: No Informatin Available  
Bioaccumulation: No Informatin Available  
Other Adverse Effects: No Informatin Available

## 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all Local, State and Federal regulations.  
 EMPTY CONTAINER: Nonrefillable container. Do not reuse or refill container. Before discarding container, rinse thoroughly with water.  
 RCRA/EPA WASTE INFORMATION: N/A

#### 14. TRANSPORT INFORMATION

THE SHIPPER/CONSIGNOR/SENDER IS RESPONSIBLE TO ENSURE THAT THE PACKAGING, LABELING, AND MARKINGS ARE IN COMPLIANCE WITH THE SELECTED MODE OF TRANSPORT.

DOT (DEPARTMENT OF TRANSPORTATION)

LAND TRANSPORT:  
Not dangerous goods

SEA TRANSPORT (IMDG/IMO):

Not dangerous goods

#### 15. REGULATORY INFORMATION

EPCRA – EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW  
CERCLA REPORTABLE QUANTITY

Chemical Name	CAS Number	Component RQ (Lbs.)	Calculated Component RQ (lbs.)
None	N/A	N/A	N/A

#### UNITED STATES:

TSCA Status: (Toxic Substance Control Act Section 8(b) Inventory)

All Chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

SARA 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTABLE QUANTITY:

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazard Categories:

Acute Health Hazard: Yes

Chronic Health Hazard: Yes

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This product contains the following listed substances:

2-(2-Butoxyethoxy) ethanol CAS No 112-34-5 applies to R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR', where n = 1, 2, or 3, R=Alkyl C7 or less, or R = Phenyl or Alkyl substituted phenyl, R' = H or Alkyl C7 or less, or OR' consisting of Carboxylic acid ester, Sulfate, Phosphate, Nitrate, or Sulfonate, Chemical Category N230

CALIFORNIA PROP 65

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

#### 16. OTHER INFORMATION

NFPA  
HMIS

Health Hazards: 2  
Health Hazards: 2

Flammability: 0  
Flammability: 0

Instability: 0  
Physical Hazards: 0

Special: N/A

Revision Date: 6/3/2015

Reasons For Revision: No Information Available

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