

# SAFETY DATA SHEET

## 1. PRODUCT IDENTIFICATION & COMPANY INFORMATION

PRODUCT: Advanced Citrus Max  
ITEM: 317S  
RECOMMENDED USE: General Purpose Cleaner/Degreaser

DATE ISSUED :	10/15/2015
SDS REF. No :	317S

**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:** None known.

**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
D-limonene	5989-27-5	1-5
Potassium Hydroxide	1310-58-3	1-5

## 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 EXTENGUISHING MEDIA:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water, Carbon Dioxide, Dry Chemical, Foam.  
**UNSUITABLE EXTENGUISHING MEDIA:** None Known  
**SPECIFIC HAZARDS DURING FIRE FIGHTING:** Flammable  
**HAZARDOUS COMBUSTION PRODUCTS:** None Known  
**FIRE FIGHTING EQUIPMENT :** 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 :** None

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** 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 DISPOSAL 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)

### INGREDIENTS WITH WORKPLACE CONTROL PARAMETERS

Chemical Name	CAS Number	ACGIH TLV	OSHA PEL	NIOSH
Potassium Hydroxide	1310-58-3	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*	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

APPEARANCE/PHYSICAL STATE:	Liquid
COLOR:	Clear/Orange
ODOR:	Citrus/Orange
pH:	8.8
FLASH POINT:	145°F Closed Cup
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): 1.01
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-OCTANOL/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. Keep from freezing.
POLYMERIZATION :	Will NOT Occur
HAZARDOUS DECOMPOSITION PRODUCTS:	CO, CO <sub>2</sub>
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
Potassium Hydroxide	1310-58-3	=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
Potassium Hydroxide (CAS: 1310-58-3)	Not Available	Not Available	Not Available	Not Available

<u>Persistence and Degradability:</u>	No Informatin Available
<u>Bioaccumulation:</u>	No Informatin Available
<u>Other Adverse Effects:</u>	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

Hazardous Components	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

HMIS RATING	
Health :	1 HMISH
Flammability :	1 HMISF
Reactivity :	0 HMISR
Personal Protection :	HMISP

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