

SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION & COMPANY INFORMATION

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

DATE ISSUED :	9/19/2018
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:

Skin Corrosion/Irritation: Category 3
Acute Toxicity: Oral, Category 4
Acute Toxicity: Skin, Category 5
Serious Eye Damage/Eye Irritation: Category 2B

GHS ELEMENT:

Hazard Pictograms



SIGNAL WORD: WARNING

HAZARD STATEMENTS: Causes mild skin irritation. May be harmful if swallowed.
May be harmful in contact with skin. Causes eye irritation.

PREVENTION:

Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE:

IF SWALLOWED: Do Not induce vomiting. Rinse mouth. Immediately drink 1 to 2 glasses of water or milk. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

If in EYES: In case of contact, immediately flush thoroughly with plenty of cool running water. Remove contact lenses if worn. Continue flushing for at least 15 minutes holding eyelids apart. If irritation persists, get medical attention promptly.

IF on SKIN (or HAIR): In case of contact, immediately flush thoroughly with plenty of cool running water for at least 15 minutes. Immediately remove contaminated clothing and shoes. Wash prior to reuse.

IF INHALED: If discomfort is experienced from exposure to spray mist, the person should employ respiratory protection or leave the contaminated area until proper ventilation is restored. Breathe fresh air. If irritation persists, get medical attention.

STORAGE: Store in a tightly closed container. Do not store near oxidizers, alkalies, acids and bleach. Do not mix with other chemicals. Store away from excessive heat. Store in cool dry place at room temperature away from direct sunlight. 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.

OTHER HAZARDS: None known.

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 EXTENUISHING MEDIA: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water, Carbon Dioxide, Dry Chemical, Foam.
UNSUITABLE EXTENUISHING 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 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 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 ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³

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/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 ₂ 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 ₂
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

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**

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 AMENDMENRS 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-(OCH2CH2)n-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

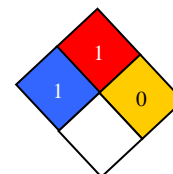
CALIFORNIA PROP 65

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

NFPA



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