

# SAFETY DATA SHEET

Burns Chemical Services  
205 West Drive, Greensburg, PA 15601  
724-853-8877

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **ORANGE CONCENTRATE** 24 Hour Emergency Number: 877-465-4615  
Product Description: A formulated water-based general purpose degreaser. SDS Number: 201405

## 2. HAZARDS IDENTIFICATION

### \*\*\*EMERGENCY OVERVIEW\*\*\*

Flammable Liquid - Category 4

Aspiration Hazard - Category 1

### DANGER



#### Hazard Statements:

H227 Combustible liquid  
H304 May be fatal if swallowed and enters airways  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H332 Harmful if inhaled.

#### Precautionary Statements:

P210 Keep away from heat, sparks and open flames. — No smoking.  
P261 Avoid breathing fume.  
P271 Use only outdoors or in a well-ventilated area.  
P233 Keep container tightly closed.  
P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves, protective clothing, and eye protection.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
Ethylene Glycol Monobutyl Ether	111-76-2	< 3.0%	20 ppm	50 ppm
Orange Terpenes	5989-27-5	< 5.0%	NE	NE
Trisodium Phosphate	7601-54-9	< 5.0%	NE	NE
Tetrapotassium Pyrophosphate	7320-34-5	< 3.0%	NE	NE

## 4. FIRST AID MEASURES

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or physician.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313 IF SKIN irritation occurs: Get medical attention.  
P337+P313 IF eye irritation persists: Get medical advice/attention.  
P304+P312 IF INHALED: Call a POISON CENTER or physician if you feel unwell. P370+P378  
In case of fire: Refer to SDS for extinguishing media.

## 5. FIRE FIGHTING MEASURES

Flashpoint: 190°F.  
Lower Explosive Limit(LEL): NA Upper Explosive Limit(UEL): NA Autoignition Temperature: NA  
Flammable Properties: Combustible.  
Extinguishing Media: Carbon Dioxide, water, dry chemical and foam.  
Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

Small Spills: Use absorbent to pick up residue and dispose of properly. Avoid discharge to natural waters.  
Large Spills: Halt spill at source, dike and contain spill. Use absorbent to pick up residue and transfer to a proper container. Dispose of in accordance with Federal, State and local regulations.

## 7. HANDLING AND STORAGE

Handling: This product is for industrial use only. Use with adequate ventilation. Wash thoroughly after handling. Do not take internally. Harmful if swallowed. Empty product containers may contain product residue. Avoid contact with skin, eyes and clothing. Do not mix with other chemicals.

Storage: Keep out of reach of children. Keep containers closed when not in use. Store in a well-ventilated area. Do not store with strong oxidizers.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Engineering Controls: Use general or local ventilation to keep exposure levels below exposure limits. Personal  
 Protective Equipment:  
 Respiratory: Normal room ventilation is adequate. Use a NIOSH/MHSA approved respirator if exposure limits are exceeded.  
 Eye: Wear approved safety glasses or goggles with unperforated eyeshields where splashing may occur.  
 Skin: Wear chemically impervious gloves.  
 Other: An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Orange	Odor:	Citrus
Physical State:	Liquid	pH:	10.9 – 11.6 @ 1:20 dilution
Boiling Point:	212°F; 100°C	Freezing/Melting Point:	32°F; 0°C
Solubility in Water:	Complete	Specific Gravity:	1.044 – 1.048
Density:	8.7 lbs/gal	VOC Content:	< 4% @ dilution

**10. STABILITY AND REACTIVITY**

Stability: Stable.  
 Hazardous Polymerization: Will not occur.  
 Conditions to Avoid: High temperatures. Applications through a steam cleaner.  
 Incompatibility: Oxidizing agents.  
 Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen.

**11. TOXICOLOGICAL INFORMATION**

IARC / NTP / OSHA: This product contains no ingredient at 0.1% or greater that is listed as a human carcinogen.

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>LD50</u>	<u>LC50</u>
Ethylene Glycol Monobutyl Ether	111-76-2	1480 mg/kg (rat oral)	700 ppm/7 hr (mouse)
Orange Terpenes	5989-27-5	5.6-6.6 g/kg (mouse oral)	NE
Trisodium Phosphate	7601-54-9	7.40 g/kg (rat oral)	NE
Tetrapotassium Pyrophosphate	7320-34-5	2980 mg/kg (rat oral)	NE

**12. ECOLOGICAL INFORMATION**

NA

**13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with the Federal, State, and Local regulations regarding pollution. Avoid discharge to natural waters. Product as formulated is a D001 unspecified ignitable waste.  
 P501 Dispose of container to in accordance with all Federal, State and Local Regulations regarding waste disposal.

**14. TRANSPORT INFORMATION**

DOT SHIPPING DATA: Combustible Liquid. Shipped as non-hazardous according to 49 CFR 173.150 (f)(2).  
 CANADIAN TDG: Combustible Liquid. Shipped as non-hazardous. Shipped in accordance with 49 CFR as part of a transborder shipment authorized under Section 5.2 (1) of the Canadian Transportation of Dangerous Goods.

**15. REGULATORY INFORMATION**

TSCA: All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.  
 CEPA: All ingredients in this product are listed or exempt from listing Canadian DSL/NDSL.  
 Proposition 65: This product may contain trace amounts of the following chemicals that are known to the state of California to cause cancer, birth defects or other reproductive harm.  
 Ethylene Glycol Monoethyl Ether 110-80-5 < 23 ppm  
 Raw materials used in this product have identified the opportunity for the presence of very low levels of the following California Proposition 65 chemicals known to the state of California to cause cancer, birth defects or other reproductive harm:  
 Ethylene Oxide (75-21-8), 1,4-Dioxane (123-91-1), Acetaldehyde (75-07-0), Formaldehyde (50-00-0), Cadmium (7440-43-9), Arsenic (7440-38-2), Lead (7439-92-1).  
 We have tested a representative sample of this product for the presence of these chemicals and have found none to be present at above analytical detection limits.  
 VOC: This product as regulated by California and other states, is classified as a —General Purpose Degreaser — with a maximum VOC content of 4%.  
 SARA 313: This product contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR372).

HMIS RATING: HEALTH = 2 FLAMMABILITY = 2 REACTIVITY = 0 PPE = B

WHMIS RATING: Class B, Division 3; Class D, Division 2B.

**16. OTHER INFORMATION**

NA = Not Available or Not Applicable

NE = Not Established

**Read and follow all label directions and precautions before using the product. This product is intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF THE REACH OF CHILDREN.** While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.

HEALTH AND SAFETY INFORMATION: (877) 465-4615

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