

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Orange Crush
Description: Citrus Base Degreaser
Product Code: NTN OC
Suggested Use: Degreaser
Restrictions on Use: Combustible, Keep away from ignition sources

Supplier: NuTech Specialties, Inc.
9811 South 6150 West
West Jordan, UT 84081
Telephone: 801-253-1000 (M-F) 8:00-5:00
Fax: 801-280-0307
Emergency Phone: 800-633-8253

2. HAZARDS IDENTIFICATION

Classification:

GHS Classification: Flammable 2
Aspiration 1
Skin irritant 2

GHS Label Elements

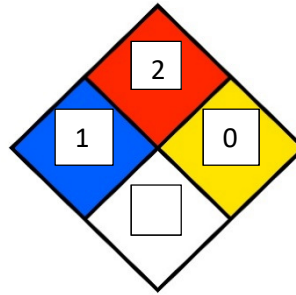
Pictogram:



Signal Word: Danger
Hazard Statements: H226, Flammable Liquid and Vapor
H315, Causes Skin Irritation

Precautionary Statements: P210, Keep away from heat/sparks/open flame/hot surfaces-no smoking
P264, Wash effected skin thoroughly after handling
P271, Use only outdoors or in well-ventilated area.

HMIS Classification:



NFPA Rating:

Health	1
Fire	2
Reactivity	0
Personal Protection	C

Potential Health Effects:

Causes eye and skin irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Concentration</u>
2-butoxy Ethanol	111-76-2	70-75%
Citrus Oil Terpenes Hydrocarbon	94268-47-4	20-30%

Synonyms:

4. FIRST AID MEASURES

If Inhaled:	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician if symptoms are experienced
Skin Contact:	Flush skin with plenty of water. Remove contaminated clothing and shoes. If irritation persists, consult a physician.
Eye Contact:	Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if able to do so. Immediately call a doctor or physician.
If Ingested:	Do not induce vomiting unless instructed to do so by physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult physician.

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5. FIREFIGHTING MEASURES

Extinguishing Media:	Use water-spray, alcohol resistant foam, dry chemical, or carbon dioxide
Hazardous Combustion Products:	Firefighting personnel should respond with appropriate protective clothing, firefighting gear, and breathing equipment as trained.
Special Protective Equipment for Firefighters:	In fire conditions: a complex mixture of airborne solids, liquids, and gases including Carbon Monoxide, Carbon Dioxide, and unidentified organic compounds.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use personal protective equipment. Always ensure adequate ventilation.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Prevent from entering drains and waterways. Discharge into environment must be avoided.
Containment and Clean Up:	Soak up with inert absorbent material and dispose of. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Safe Handling:	Keep away from flames and hot surfaces. Use personal protective equipment. Always ensure adequate ventilation.
Safe Storage:	Keep containers tightly closed in a dry well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials. Do not freeze.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component	CAS Number	Exposure Limit	Basis
Citrus Oil Terpenes Hydrocarbon	94268-47-4	N/A	

General Controls:	Always ensure adequate ventilation and that working areas contain safety showers and eye wash stations. Handle material in accordance with good industrial hygiene and safety practices.
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Personal Protective Equipment

Product: Orange Crush

Eye Protection:	Tightly fitting safety glasses or goggles should be sufficient. Have eye-wash stations available where eye contact can occur.
Hand Protection:	Handle with chemical resistant gloves. Gloves must be inspected prior to use. Wash and dry hands after use.
Skin Protection:	Wear long sleeves, a chemical apron, or other protective clothing to prevent skin contact. Safety showers should be located in work area where skin contact can occur.
Respiratory Protection:	Where risk assessment shows air-purifying respirators are appropriate, use a NIOSH-approved full face respirator with appropriate cartridges. Always ensure adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Orange
Odor:	Orange
Odor Threshold:	N/A
pH:	N/A
Melting/Freezing Point:	>212° F
Boiling Point:	N/A
Flash Point:	>125° F
Evaporation Rate:	N/A
Flammability (Solid, Gas):	N/A
Flammability/Explosion Limits:	N/A
Vapor Pressure @ 20°C:	N/A
Vapor Density:	N/A
Specific Gravity:	.87
Density:	7.2 lbs per gallon
Solubility in Water:	Emulsifies in water
Partition Coefficient:	N/A
Auto Ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity @ 40°C:	N/A

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions and Materials to Avoid:	Strong oxidizers
Hazardous Decomposition Products:	Oxide of carbon

11. TOXICOLOGICAL INFORMATION

Acute Toxicity- Not determined

Component	CAS Number	Test	Toxicity
2-butoxy Ethanol	111-76-2	Oral LD50 (rat)	1300 mg/kg
Citrus Oil Terpenes Hydrocarbon	94268-47-4	Oral LD50 (rat)	>5g/kg

Potential Health Effects

Inhalation:	May cause drowsiness and dizziness
Skin:	May cause skin irritation
Eyes:	May cause eye irritation
Ingestion:	May be fatal if ingested and aspirated into lungs
Signs and Symptoms of Exposure:	Dizziness
Chronic Effects of Long Term Exposure:	N/A
Carcinogenicity:	None

12. ECOLOGICAL INFORMATION

Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
2-butoxyethanol	111-76-2	Algae	>1000 mg/l
Citrus Oil Terpenes Hydrocarbon	94268-47-4	No data	

Ecological Effects

Persistence and Degradability:	Biodegradable
Bioaccumulation Potential:	Not likely
Mobility in Soil:	May be mobile to water system
Other Adverse Effects:	N/A

13. DISPOSAL CONSIDERATIONS

Product: Orange Crush

Disposal: Material should be disposed in accordance with all local, state, and federal regulations. Regulations vary by region.
Contaminated Packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT Information Not regulated in non-bulk packaging

Proper Shipping Name:
UN Number:
Hazard Class:
Packing Group:
Reportable Quantity (RQ):
Marine Pollutant:
Note:

15. REGULATORY INFORMATION

US Federal

SARA 302 Components: None
SARA 311/312 Hazards: Acute health, Fire hazard
SARA 313 Components: None
TSCA Inventory: Yes

European Union

EC Inventory: Listed or exempted

State Regulations

Utah Clean Air: Yes
California Prop 65: No
C.A.R.B.: Yes

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16. OTHER INFORMATION

SDS Version: 1.0
Revision Date: 05/05/2015
Supercedes: New to GHS

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or the completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

NuTech Specialites, Inc.

Validated on:

Product: Orange Crush