

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Orange Crush OMB
Description: Citrus Base Degreaser
Product Code: NTN OCOMB
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 4
Aspiration 1
Skin irritant 2

GHS Label Elements

Pictogram:

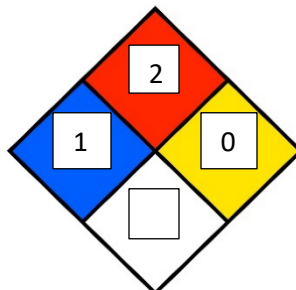


Signal Word: Warning
Hazard Statements: H227, Combustible Liquid
H304, May be Fatal if Swallowed and Enters Airways
H315, Causes Skin Irritation

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.

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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> |
|---------------------------------|-------------|----------------------|
| Hydrotreated Light Distillates | 64742-47-8 | 40-50% |
| 2-butoxy Ethanol | 111-76-2 | 40-50% |
| Citrus Oil Terpenes Hydrocarbon | 94268-47-4 | 10% |

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

| | |
|-------------------------|---|
| 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: | 170° 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 |

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11. TOXICOLOGICAL INFORMATION

Acute Toxicity- Not determined

| Component | CAS Number | Test | Toxicity |
|---------------------------------|------------|-----------------|------------|
| 2-butoxy Ethanol | 111-76-2 | Oral LD50 (rat) | 1300 mg/kg |
| Hydrotreated Light Distillates | 64742-47-8 | Oral LD50 (rat) | 2000 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 |
|---------------------------------|------------|----------|-------------|
| Hydrotreated Light Distillates | 64742-47-8 | Fish | >1000 mg/l |
| 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 |

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13. DISPOSAL CONSIDERATIONS

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: 06/14/2018
Supercedes: 05/15/2015 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.

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Validated on:

Product: Orange Crush OMB