

**MATERIAL SAFETY DATA SHEET**

Complies with U. S. Department of Labor  
 Safety and Health Regulation 29 CFR 1910 1200

**SECTION I**

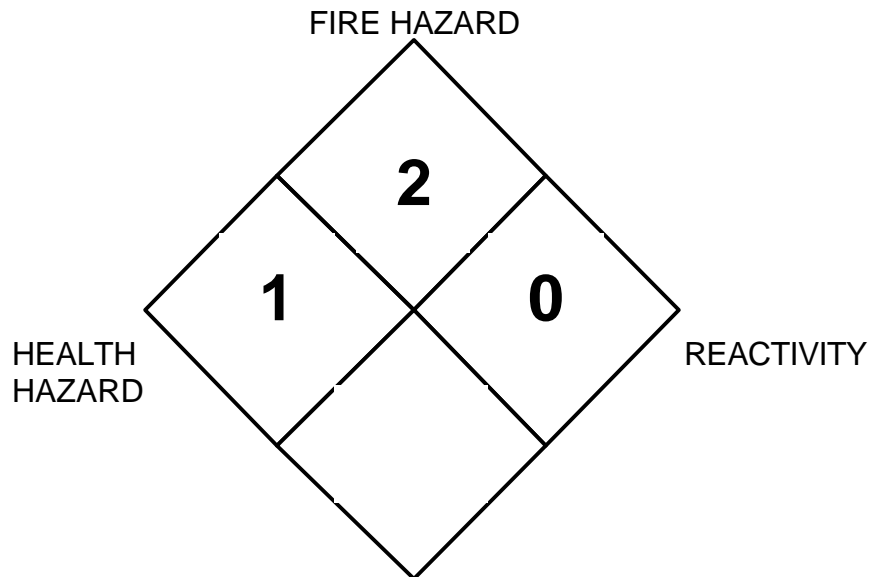
**PRODUCT TRADE NAME: ORANGE FORCE 3**

Chemical Family: Solvent Detergent  
 Formula: Proprietary

**ORANGE FORCE**  
**4853 NORTH MONTGOMERY**  
**COLUMBIA MO 65202**  
**1-573-268-5817**

**EMERGENCY CONTACT: CHEMTREC - 1-800-424-9300**  
 (For use only in the event of emergencies involving a spill,  
 leak, fire, exposure, or accident involving chemicals)

NFP Code



Health Hazard:	Fire Hazard: (Flash Point)	Reactivity:	Specific Hazard:
0 - Normal Material 1 - Slightly Hazardous 2 - Hazardous 3 - Extreme Danger 4 - Deadly	0 - Will Not Burn 1 - Above 200°F 2 - Below 200°F 3 - Below 100°F 4 - Below 73°F	0 - Stable 1 - Unstable if Heated 2 - Violent Chemical Change 3 - Shock and Heat May Detonate 4 - Explosive	Oxidizer OXY Acid ACID Alkali ALK Corrosive COR

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**SECTION II - HAZARDOUS INGREDIENTS**

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Hazardous Ingredients	Percent:	Threshold Limit Value:
NONE		

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**SECTION III - PHYSICAL PROPERTY DATA**

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Boiling Point: 347° F.  
Specific Gravity (Water = 1): 0.867  
Vapor Pressure: N/A  
% Volatile: N/A  
Vapor Density (Air = 1): N/A  
Evaporation Rate (Water = 1): 1.0  
Solubility in Water: Complete  
Appearance and Odor: Clear liquid with citrus odor

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**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

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Flash Point (Method Used): 120° F. Pinsky Marten; 156° F. Cleveland open cup.  
Flammable Limits: N/A  
Extinguishing Media: Water spray, fog, dry chemical, CO<sub>2</sub>, or alcohol foam.  
Special Fire Fighting Procedures: If a fire occurs where this product is stored, self-contained breathing apparatus should be employed. Use water spray to cool nearby containers and structures exposed to fire.  
Unusual Fire and Explosion Hazards: None known

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**SECTION V - HEALTH HAZARD DATA**

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Effects of Overexposure:  
ON SKIN: May cause mild irritation and redness  
IN EYES: Causes redness and tearing  
INHALATION: Excessive inhalation may cause drowsiness, light-headedness, weakness or headache  
INGESTION: Nausea, vomiting, diarrhea, and gastrointestinal disorder

SECTION V - HEALTH HAZARD DATA (Continued)

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Emergency First Aid Procedures:

IN EYES: Flush immediately with clean water for 15 minutes, lifting upper and lower lids occasionally. Seek immediate medical attention.

ON SKIN: If irritation occurs, flush with plenty of clean water and soap. Remove contaminated clothing and launder before reuse.

INHALATION: Remove person to fresh air. Begin CPR if breathing has stopped, and seek medical attention immediately.

INGESTION: DO NOT induce vomiting. If conscious, give several large glasses of water. NEVER give anything to an unconscious person orally. Keep warm and quiet; seek immediate medical attention.

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SECTION VI - PERSONAL PROTECTION INFORMATION

Respiratory Protection: Use NIOSH approved respirator as necessary if levels reach or exceed Threshold Limit Values (Refer to Section II).

Ventilation: Provide sufficient mechanical (general and local exhaust) ventilation if build-up of mist or vapors is likely.

Protective Gloves: Chemical resistant rubber or neoprene gloves are recommended for prolonged or repeated use.

Eye Protection: Chemical splash goggles or face shield is recommended.

Other Protective Equipment: None

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SECTION VII - REACTIVITY DATA

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Stability Data: Stable

Incompatibility: No incompatibilities known for this chemical

Conditions to Avoid: Use normal caution

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide upon thermal decomposition.

Hazardous Polymerization: Will not occur

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## SECTION VIII - SPILL OR LEAK PROCEDURES

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Steps To Be Taken If Released or Spilled: All spilled material must be contained and kept out of waterways, sewers and drains. The spilled chemical should be absorbed with an inert material. Flush cleaned area thoroughly with water.

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**SECTION VIII - SPILL OR LEAK PROCEDURES (Continued)**

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Waste Disposal Method: Dispose of in accordance with all Federal, State and Local pollution control regulations.

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**SECTION IX - SPECIAL PRECAUTIONS**

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Precautions To Be Taken In Handling and Storage: Keep container tightly closed when not in use.  
Protect product from freezing.

Other Precautions: KEEP OUT OF THE REACH OF CHILDREN.

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**SECTION X - SHIPPING INFORMATION**

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Proper Shipping Name: NA1993, COMBUSTIBLE LIQUID N.O.S., (D-LIMONENE), PGIII

D.O.T. Classification: COMBUSTIBLE LIQUID

D.O.T. Placard: NA1993

Precautions To Be Taken in Transportation: Keep container tightly closed.

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**SECTION XI – ADDITIONAL INFORMATION**

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**OTHER ADDITIONAL INFORMATION**

No information available at this time.

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.

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**SECTION 313 SUPPLIER NOTIFICATION**

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This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

CAS #	Chemical Name:	Percent by Weight:
None		

This information must be included in all Material Safety Data Sheets that are copied and distributed for this material.