



## LIFT OFF

### 5. FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT (F):** 228 F (C): NA  
**METHOD:** PMCC

#### FLAMMABLE LIMITS IN AIR

- LOWER (%): NE  
- UPPER (%): NE

**SENSITIVITY TO MECHANICAL IMPACT(Y/N):**

**SENSITIVITY TO STATIC DISCHARGE:**

**SUITABLE EXTINGUISHING MEDIA:**

**FIRE FIGHTING PROCEDURES:**

NO

Sensitivity to static discharge is not expected.

Water fog, carbon dioxide, foam, dry chemical.

Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Combustible. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

### 6. ACCIDENTAL RELEASE MEASURES

#### SPILL PROCEDURES:

**SMALL SPILLS:**

**LARGE SPILLS:**

Mop up all possible. Flush residue with water.

Flush remainder with water. Releases of some glycol ethers may be CERCLA reportable. Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

**PERSONAL PRECAUTIONS:**

NA

**ENVIRONMENTAL PRECAUTIONS:**

NA

**METHODS FOR CLEANING UP:**

NA

### 7. HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN  
IN HANDLING AND STORAGE:**

Caution: Combustible. Use only with adequate ventilation. Do not store near heat, sparks or flame. Do not store near oxidizing agents. Store only in original container and keep closed. Avoid contact with skin and eyes. Do not breathe mist or vapors.

**OTHER PRECAUTIONS:**

Do not reuse container. Keep out of reach of children.

**SPECIFIC USE(S):**

NA

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### PROTECTIVE EQUIPMENT:



**EXPOSURE CONTROLS:**

Use in a well ventilated area.

**RESPIRATORY PROTECTION:**

None normally required. Use NIOSH approved organic vapor respirator as needed if spray mist or vapors exceed PEL or TLV.

**PROTECTIVE GLOVES:**

Solvent resistant material such as Viton, neoprene or nitrile rubber.

**EYE PROTECTION:**

Safety Glasses. Goggles.

**OTHER PERSONAL PROTECTION**

Appropriate protective clothing as needed to prevent skin contact.

**EQUIPMENT:**

**VENTILATION:**

General mechanical and/or local exhaust as needed to meet exposure limits if mist in air. Required when spraying large amounts or applying in confined area. Use non-sparking equipment. No smoking or open lights.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear pale yellow liquid. Mild odor.  
BOILING POINT (F): > 450 F (C) NA  
VAPOR PRESSURE: < (0.1 mm Hg @ 68 F)  
VAPOR DENSITY (AIR=1): > 1  
SOLUBILITY IN WATER: NA  
SPECIFIC GRAVITY: 0.830 - 0.835  
VOC Content (%): 32.5  
VOV Content (%): NE  
EVAPORATION RATE: < (BuAc = 1) : 1.26  
PH: NA

## 10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE  
POLYMERIZATION: Will Not Occur.  
HAZARDOUS DECOMPOSITION: Incomplete combustion produces: Fumes. Smoke. Soot. Carbon Dioxide. Carbon Monoxide.  
INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids and oxidizers. Avoid contact with:  
CONDITIONS/HAZARDS TO AVOID: Open flames. Welding arcs.

## 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: NE  
EFFECTS OF CHRONIC EXPOSURE: NE  
OTHER TOXIC EFFECTS: NE

## 12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time  
CHEMICAL FATE INFORMATION: No data at this time.  
MOBILITY: NA  
PERSISTENCE/DEGRADABILITY: NA  
BIOACCUMULATIVE POTENTIAL: NA  
OTHER ADVERSE EFFECTS: NA

## 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State and Local regulations.

## 14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

## 15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Aliphatic hydrocarbon blend 69430-33-7	50 - 60	Listed	Listed	Listed	Not Listed
Soy Bean Oil 8001-22-7	40 - 50	Listed	Not Listed	Listed	Not Listed
Buylated hydroxy toluene 128-37-0	<.5	Listed	Not Listed	Listed	Not Listed

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PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Aliphatic hydrocarbon blend 69430-33-7	50 - 60	Not Listed	Not Listed	Not Listed
Soy Bean Oil 8001-22-7	40 - 50	Not Listed	Not Listed	Not Listed
Buylated hydroxy toluene 128-37-0	<.5	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Soy Bean Oil 8001-22-7	40 - 50	Listed

The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	MARTK:
Buylated hydroxy toluene 128-37-0	<.5	Listed

The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	NJRTK:
Buylated hydroxy toluene 128-37-0	<.5	Listed

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	PARTK:
Soy Bean Oil 8001-22-7	40 - 50	Listed
Buylated hydroxy toluene 128-37-0	<.5	Listed

### 16. OTHER INFORMATION

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

\*\*\* END OF MSDS \*\*\*