



## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Masterchem Ultra-PAG 46

**PRODUCT DESCRIPTION:** Premium Performance Mobile Air Conditional Compressor Lubricant

### MANUFACTURER

Omega/Santech  
1401 Valley View Lane, Suite #100  
Irving, TX 75061  
**Emergency Phone:** 972-812-7000

### 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC: 800-424-9300

## 2. HAZARDS IDENTIFICATION

### GHS LABEL

This product is not classified as hazardous according to 29CFR 1910.1200.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Poly[oxy(methyl-1,2-ethandiyl)], Alpha-butyl-omega-hydroxy-	>99	9003-13-8
Additive Package	<1	Proprietary

## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**SKIN:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

**INGESTION:** Rinse mouth with water. Do not induce vomiting. Seek medical attention if you feel unwell.

**INHALATION:** Remove to fresh air. If breathing is difficult seek medical attention.

**NOTES TO PHYSICIAN:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Dry Chemical, CO<sub>2</sub>, Foam. Water Spray.

**HAZARDOUS COMBUSTION PRODUCTS:** May produce hazardous fumes.

**FIRE FIGHTING PROCEDURES:** Do not use a water jet.

**FIRE FIGHTING EQUIPMENT:** In case of fire wear a full-face positive pressure self contained breathing apparatus and protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Contain and soak up spill with absorbent material and provide adequate ventilation.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Prevent material from entering drains or watercourses using sand, earth or other appropriate barriers.

**LAND SPILL:** Prevent contamination of the soil.

**GENERAL PROCEDURES:** Avoid contact with skin or eyes. Avoid contact with spilled materials. Use appropriate personal protective equipment.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Handle in accordance with good industrial hygiene and safety practices.

**HANDLING:** Use only in a well ventilated area. Avoid breathing (dust, vapor, mist, gas). Avoid contact with eyes, skin, and clothing.

**STORAGE:** Keep container tightly closed in a dry, well-ventilated place.

**STORAGE TEMPERATURE:** Store in a cool place below 120°F/49°C under nitrogen blanket as this product is hygroscopic. For prolonged storage above 60°C, store in rust free container using nitrogen blanket.

**STORAGE PRESSURE:** Atmospheric.

**SPECIAL SENSITIVITY:** This is a hygroscopic product. Avoid contact with water.

**COMMENTS:** Recommended storage container materials are rust free mild steel or stainless steel.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Eye washes and showers for emergency use.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses with side shields (or goggles) or a face shield.

**SKIN:** Use chemically resistant gloves; appropriate materials are PVC. Nitrile.

**RESPIRATORY:** Use appropriate protection if there is risk of breathing the mists or vapors or heated materials.

**PROTECTIVE CLOTHING:** Wear full protective clothing and chemical resistant gloves to prevent prolonged skin contact.

**WORK HYGIENIC PRACTICES:** Wash hands, forearms and face before eating, drinking, smoking and using the restroom. Launder contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Mild

**APPEARANCE:** Water white to faintly yellow.

**PHYSICAL STATE COMMENTS:** Clear, bright, viscous.

**FLASH POINT AND METHOD:** > 200°C COC-ASTM D-92

**FLAMMABLE LIMITS:** Not Available

**AUTOIGNITION TEMPERATURE:** Not Available

**VAPOR PRESSURE:** Not Available

**VAPOR DENSITY:** Not Available

**BOILING POINT:** Not Available

**POUR POINT:** -49°C

**THERMAL DECOMPOSITION:** Not Available

**SOLUBILITY IN WATER:** Insoluble in water.

**EVAPORATION RATE:** Not Available

**SPECIFIC GRAVITY:** 0.998 at 20°C

**VISCOSITY #1:** 45 cSt at 40°C

**VISCOSITY #2:** 10.7 cSt at 100°C

**Notes:** Viscosity Index: 213

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Yes

**STABILITY:** Stable under normal conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon. Small amounts of aldehydes, ketones, and alcohols.

**INCOMPATIBLE MATERIALS:** Strong oxidizers, strong acids.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**DERMAL LD<sub>50</sub>:** > 5000 mg/kg

**Notes:** rabbit

**ORAL LD<sub>50</sub>:** > 5000 mg/kg

**Notes:** rat

**EYE EFFECTS:** Minimal irritation.

**SKIN EFFECTS:** Minimal irritation.

**REPEATED DOSE EFFECTS:** Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.

**IRRITATION:** Not a primary irritant.

**NEUROTOXICITY:** Not Available

**GENETIC EFFECTS:** Not Available

**REPRODUCTIVE EFFECTS:** Not Available

**TARGET ORGANS:** Not Available

**MUTAGENICITY:** Not Available

**GENERAL COMMENTS:** Used materials should be handled with caution. Proper health, safety, and disposal methods should be taken during handling of used materials. Avoid contact with skin and eyes.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Ecotoxicological data have not been determined specifically for this products. The information below is given based on knowledge of the components.

**ECOTOXICOLOGICAL INFORMATION:** Testing of a similar substance indicates material is non-toxic to aquatic life.

**BIOACCUMULATION/ACCUMULATION:** Not expected to bio-accumulate.

**DISTRIBUTION:** Insoluble in water. Adsorbs to soil and has low mobility.

**CHEMICAL FATE INFORMATION:** Expected to be partially or slowly biodegradable.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of contents/container to a licensed contractor or facility in accordance with local, state and federal regulations.

**PRODUCT DISPOSAL:** The preferred options for disposal include reuse, recycling, co-processing, finding a use for by-product, incineration or other thermal destruction at licensed facilities.

**EMPTY CONTAINER:** Clean container thoroughly and dispose to licensed disposal contractor.

### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not regulated for Transport

**ROAD AND RAIL (ADR/RID):** NA = Not Applicable

**AIR (ICAO/IATA):** NA = Not Applicable

**VESSEL (IMO/IMDG):** NA = Not Applicable

**CANADA TRANSPORT OF DANGEROUS GOODS:** NA = Not Applicable

### 15. REGULATORY INFORMATION

**UNITED STATES**

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA STATUS:** All components listed or exempt.

**CANADA**

**DOMESTIC SUBSTANCE LIST (INVENTORY):** All components are listed or exempt.

### 16. OTHER INFORMATION

**REASON FOR ISSUE:** Updated to GHS Format with GHS classification

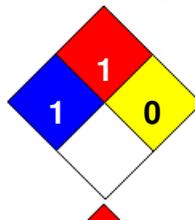
**APPROVED BY:** Audris King    **TITLE:** HS&E Manager

**PREPARED BY:** Britton Webb    **Date Prepared:** 3/24/2015

**HMIS RATING**

<b>HEALTH</b>	1
<b>FLAMMABILITY</b>	1
<b>PHYSICAL HAZARD</b>	0
<b>PERSONAL PROTECTION</b>	B

**NFPA CODES**



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