

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, CO₂, 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 LD₅₀: > 5000 mg/kg

Notes: rabbit

ORAL LD₅₀: > 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

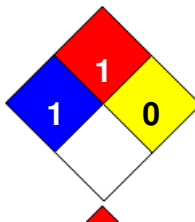
APPROVED BY: Audris King **TITLE:** HS&E Manager

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

HMIS RATING

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

NFPA CODES



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