

## SAFETY DATA SHEET



**Mastercool**<sup>®</sup>  
*"World Class Quality"*

Date Issued : 12/16/2014

SDS No : 0043

Date Revised : 09/14/2018

Revision No : 4

ZEROL<sup>®</sup> PAG 46

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ZEROL<sup>®</sup> PAG 46**PRODUCT DESCRIPTION:** Compressor Lubricant**MANUFACTURER**

Mastercool Inc.  
 1 Aspen Drive  
 Randolph, NJ 07869, USA  
**Customer Service:** (973) 252-9119

**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
alpha-Butyl-omega-Hydroxypoly(oxyethylene) poly(oxypropylene)	100	9038-95-3

## 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 open containers, exposure to humidity and 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. **pH:** ~ 5.5 to 7.5

**FLASH POINT AND METHOD:** 238°C COC-ASTM D-92

**AUTOIGNITION TEMPERATURE:** Not Available

**VAPOR PRESSURE:** Not Available **VAPOR**

**DENSITY:** Not Available

**BOILING POINT:** Not Available

**POUR POINT:** -50°C

**THERMAL DECOMPOSITION:** Not Available

**SOLUBILITY IN WATER:** Partially soluble

**EVAPORATION RATE:** Not Available

**SPECIFIC GRAVITY:** 1.036 at 20°C

**VISCOSITY #1:** 47 cSt at 40°C

**VISCOSITY #2:** 10.0 cSt at 100°C

## 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 TOXICITY

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

**Notes:** rabbit

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

**Notes:** rat

**SKIN CORROSION/IRRITATION:** Repeat or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.

**SERIOUS EYE DAMAGE/IRRITATION:** Not a primary irritant.

**RESPIRATORY OR SKIN SENSITISATION:** Not Available

**GERM CELL MUTAGENICITY:** Not Available

### CARCINOGENICITY

**NOTES:** None known.

**REPRODUCTIVE TOXICITY:** Not Available **STOT-SINGLE**

**EXPOSURE:** None Expected.

**STOT-REPEATED EXPOSURE:** None Expected.

**ASPIRATION HAZARD:** Not classified as an aspiration hazard.

**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 product. 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.

**CALIFORNIA PROPOSITION 65:** This product does not contain any chemicals at detectable levels known to the State of California to cause cancer, birth defects, or any other reproductive harm.

**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

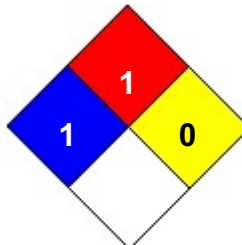
**PREPARED BY:** Britton Webb    **Date Revised:** 09/14/2018

**REVISION SUMMARY:** This SDS replaces the 06/14/2018 SDS. Revised: **Section 9:** SPECIFIC GRAVITY.

**HMIS RATING**

HEALTH		1
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

**NFPA CODES**



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