SAFETY DATA SHEET

GHS format

SECTION 1 IDENTIFICATION

Product Name: Totaline® POE68 Refrigeration Lubricant
Product Number(s): P903-1001, P903-1005, P903-1025, P903-1001S, P903-1025S
Product Use: Compressor lubricant **Restrictions on use:** Not determined
Distributed by: Replacement Components, Carrier Corporation, Syracuse, NY
Manufactured by: North American Research Corporation
P.O. Box 1318 519 Huffines Blvd.
Lewisville, TX 75067 Lewisville, TX 75056

Telephone Numbers: (972) 492-1800, (800) 527-7520, Fax (972) 394-6755
Emergencies: Infotrac (24 hours, everyday) (800) 535-5053 (US & Canada) 1 (352) 323-3500 (International)

SECTION 2 HAZARD(S) IDENTIFICATION

Classification	Category
Reproductive toxicity	2

Symbol(s):

Signal Word: Warning
Hazard statement(s): Suspected of damaging fertility or the unborn child.
Precaution(s):
Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection.
Response: IF exposed or concerned: Get medical advice/attention.
Storage: Store locked up.
Disposal: Dispose of contents and container in accordance with all local, regional, and national regulations.
Other Hazards: None identified.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Registry No.	Weight %
Tricresyl phosphate	1330-78-5	1 – 5

If the specific chemical identity and/or the exact percentage of an ingredient is not specified, the information has been withheld as a trade secret.

SECTION 4 FIRST-AID MEASURES

General information: IF exposed or concerned: Get medical advice/attention.

Eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation develops or persists, get medical attention.

Inhalation: Remove person to fresh air if adverse effects are observed.

Skin contact: Wash with soap and water. If skin irritation occurs, get medical attention.

Ingestion: Do not induce vomiting. Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects: See section 11.

Indication of immediate medical attention and special treatment needed, if necessary:
Notes to physician: Treat symptomatically.
Specific treatments: No specific treatment.

SECTION 5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:
This product is not flammable. Extinguish fire using agent suitable for surrounding fire.

Specific hazards arising from the chemical:
A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. See section 10 for additional information.

Special protective equipment for fire-fighters: Use appropriate equipment for surrounding fire.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precaution, protective equipment and emergency procedures: Put on appropriate personal protective equipment (see section 8).

Methods and materials for containment and cleaning-up: Soak up with inert, absorbent material. Sweep up and shovel into suitable containers for proper disposal.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Observe good industrial hygiene practices. Provide adequate ventilation. Use personal protective equipment as required. Launder contaminated clothing before reuse. Avoid environmental contamination.

Conditions for safe storage, including any incompatibilities: Store away from incompatible materials. See section 10 for incompatible materials.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical name	CAS	OSHA PEL	ACGIH TLV	NIOSH REL
No exposure limits established for any ingredients				

Appropriate engineering controls: No special requirements under ordinary conditions of use and with adequate ventilation.

Individual protection measures (PPE):

Eye protection: If contact is likely, safety glasses with side shields are recommended.

Hand protection: Suitable gloves as recommended by glove supplier.

Skin and body protection: If major exposure is possible, wear suitable protective clothing and footwear.

Respiratory Protection: A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. Under normal use conditions, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow to amber liquid	U/L flammability or explosive limits	Not data available
Odor	Bland mild odor	Vapor pressure	Not data available
Odor threshold	Not data available	Vapor density	Not data available
pH	Not applicable	Relative density (specific gravity)	0.98 (20°C)
Melting point/freezing point	Not data available	Solubility(ies)	Insoluble in water
Initial boiling point and boiling range	Not data available	Partition coefficient: n-octanol/water	Not data available
Flash point	> 270°C, 518°F COC (Typical)	Auto-ignition temperature	Not data available
Evaporation rate	Not data available	Decomposition temperature	Not data available
Flammability (solid, gas)	Not data available	Viscosity	68 cSt (40°C/104°F)

SECTION 10 STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: Will not occur.

Conditions to Avoid: Incompatible materials, excessive heat and fire, or oxidizing materials.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: When exposed to fire, produces normal products of combustion.

SECTION 11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Eye Irritation: No data available.

Skin Irritation: No data available.

Inhalation: No data available.

Ingestion: No data available.

Sensitization: No known effects.

Information on toxicological effects:

Acute toxicity:

Oral – product: Not classified for acute toxicity based on available data. Ingestion of this material may cause gastric disturbances. Ingestion of this material can result in neurotoxicity. Signs and symptoms include increased sweating of hands and feet, numbness, tingling and weakness in extremities, unsteady gait and decreased reflexes.

Dermal – product: Skin absorption of components of this material will cause systemic effects; note toxicity in other sections. ATEmix > 5000 mg/kg

Inhalation – Product: Not classified for acute toxicity based on available data. High concentrations may cause headaches, dizziness, fatigue, nausea, vomiting, drowsiness, stupor, other central nervous system effects leading to visual impairment, respiratory failure, unconsciousness and death.

Skin Corrosion/Eye Irritation - product: Remarks: Not classified as a primary eye irritant.

Respiratory sensitization: No data available.

Skin sensitization: No data available.

Specific Target Organ Toxicity – Single Exposure – Tricresyl phosphate: If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

Aspiration Hazard: No data available.

CHRONIC:

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive Toxicity: Tricresyl phosphate – Suspected of damaging fertility. This material has been shown to impair fertility and cause adverse reproductive effects in rats and mice.

Specific Target Organ Toxicity – Repeated Exposure: Repeated occupational exposure to tricresyl phosphate over a prolonged period of time may cause delayed neurotoxicity characterized by ataxia and tremors.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:

Tricresyl phosphate:

Fish:	LC50 (Rainbow trout, 4 days): 0.6 mg/L NOEC (Rainbow trout, 4 days): 0.56 mg/L
Aquatic Invertibrates:	EC50 (Water flea (Daphnia magna), 2 d): 0.146 mg/L
Aquatic plants:	EC50 (Alga, 3 days): 0.4042 mg/L
Microorganisms:	LC50 (Sludge, 0.1 days): > 1,000 mg/L

Persistence and degradability: Tricresyl phosphate – OECD TG 301 D, 24.2 %, 28 d, Not readily degradable.

Bioaccumulation potential:

Tricresyl phosphate:

Bioconcentration Factor (BCF): No data available.

Partition Coefficient n-octanol / water (log Kow): Log Kow: 5.93 (Measured)

Mobility in soil: No data available.

Other adverse effects: No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

Unused product: Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

Contaminated containers or packaging: Dispose of packaging or containers in accordance with local, regional, national and international regulations. Empty container contains product residue which may exhibit hazards of product.

RCRA Hazard Class: Not listed.

SECTION 14 TRANSPORT INFORMATION

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT, IMDG, IATA	Not regulated			

SECTION 15 REGULATORY INFORMATION

Inventory status:

TSCA: All components of this product are on the U.S. Toxic Substances Control Act (TSCA) Chemical Substances Inventory or are exempt.

Philippines (PICCS): All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

CERCLA: No reportable ingredients.

SARA TITLE III:

Section 311/312 Hazard Category: Acute: No Chronic: Yes Fire: No Reactive Hazard: No

Section 313 Reportable Ingredients: No reportable ingredients.

CALIFORNIA (Proposition 65): No reportable ingredients.

SECTION 16 OTHER INFORMATION

Date Prepared: May 20, 2015 **Replaces:** Dec. 23, 2011

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