

SAFETY DATA SHEET

GHS format

SECTION 1 IDENTIFICATION

Product Name: ISO 220 Synthetic POE Refrigeration Lubricant, Hydro-Balance**Product Number(s):** P-22001, P-22032**Product Use:** Compressor lubricant**Restrictions on use:** Not determined**Distributed by:** Hydro-Balance Corporation**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: Not classified**Signal Word:** Not required**Hazard statement(s):** None required**Precaution(s):** No specific phrases required**Other Hazards:** None identified**Symbol(s):**
None required

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Registry No.	Weight %
Polyol ester synthetic lubricant (not hazardous)	proprietary	99 – 100

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

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 persists, get medical attention.

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

Skin contact: Take off contaminated clothing and wash before reuse. Wash with soap and water. If skin irritation occurs, get medical attention.

Ingestion: 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: Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment.

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	Colorless to yellow/amber liquid	U/L flammability or explosive limits	Not data available
Odor	Bland 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 (TOC)	Auto-ignition temperature	Not data available
Evaporation rate	Not data available	Decomposition temperature	Not data available
Flammability (solid, gas)	Not data available	Viscosity	220 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: May cause mild skin irritation.

Inhalation: No data available.

Ingestion: No data available.

Sensitization: No known effects.

Numerical measure of toxicity, component information:

Chemical name	CAS	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
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: No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

Teratogenicity: No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulation potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No known significant effects or critical hazards.

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: No Fire: No Reactive Hazard: No

Section 313 Reportable Ingredients: No reportable ingredients.

CALIFORNIA (Proposition 65): No reportable ingredients.

SECTION 16 OTHER INFORMATION

Date Prepared: Apr. 29, 2015 **Replaces:** Mar. 28, 2005

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