



Doosan Infracore
Portable Power



Material Safety Data Sheet

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Ingersoll Rand XHP 405 Compressor Oil

Product Description: A hydrocarbon based synthetic lubricant designed for use in applications operating above 300psi.

Ingersoll Rand Part Number: 22252126 (5 GALLON), 22252100 (55 GALLON), and 22252118 (220 GALLON)

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

SECTION 1 COMPOSITION/ INFORMATION ON INGREDIENTS		
COMPONENTS	CAS NUMBER	AMOUNT
Distillates, hydrotreated heavy paraffinic	64742-54-7	80 - 100 %weight
Polyalpha olefins	Mixture	1 - 5 %weight
Additives	Mixture	1 - 5 %weight

SECTION 2 FIRST AID MEASURES

Eye: No specific first aid measures are required. Remove contact lenses and flush eyes with water. No special eye protection is normally required. Not expected to cause prolonged or significant eye irritation.

Skin: No specific first aid measures are required. No special protective clothing is normally required. As a precaution, remove clothing and shoes if contaminated. To remove the material, use soap and water. Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.

Ingestion: No specific first aid measures are required. Not expected to be harmful if swallowed.

Inhalation: No specific first aid measures are required. No respiratory protection is normally required. Not expected to be harmful if inhaled. May cause respiratory irritation.

SECTION 3 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator)

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 446 °F (230 °C) (Min)

Autoignition: NDA

Flammability (Explosive) Limits (% by volume in air): Lower: NA Upper: NA

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

SECTION 4 HANDLING AND STORAGE

Steps to be taken in Case of Spills: Soak up with suitable absorbent material, then sweep into plastic bag for disposal.

Waste Disposal Method: Dispose in accordance with local, state, or federal regulations.

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Precautionary Measures: Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 5 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Occupational Exposure Limits:

Component	Limit	TWA	STEL	Ceiling	Notation
Distillates, hydrotreated heavy paraffinic	ACGIH_TLV	5 mg/m3	10 mg/m3		
Distillates, hydrotreated heavy paraffinic	OSHA_PEL	5 mg/m3			

SECTION 6 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Colorless to yellow

Physical State: Liquid

Odor: Petroleum odor

pH: NA

Vapor Pressure: <0.01 mmHg @ 100 °F

Vapor Density (Air = 1): >1

Boiling Point: >550 °F (>288 °C)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: NA

Specific Gravity: 0.86 @ 15.6 °C / 15.6 °C

Viscosity: 41.4 cSt @ 40 °C (Min)

SECTION 7 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 8 ECOLOGICAL INFORMATION

ECOTOXICITY

The 96 hour(s) LC50 for rainbow trout (*Oncorhynchus mykiss*) is >1000 mg/l.

The 48 hour(s) EC50 for water flea (*Daphnia magna*) is >1000 mg/l.

This material is not expected to be harmful to aquatic organisms.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 9 TRANSPORT INFORMATION

DOT Shipping Name: NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

DOT Hazard Class: NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

Additional Information:

IMO/IMDG Shipping Name: NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORTATION UNDER THE IMDG CODE

SECTION 10 REGULATORY INFORMATION**SARA 311/312 CATEGORIES:**

- | | |
|---------------------------------------|----|
| 1. Immediate (Acute) Health Effects: | NO |
| 2. Delayed (Chronic) Health Effects: | NO |
| 3. Fire Hazard: | NO |
| 4. Sudden Release of Pressure Hazard: | NO |
| 5. Reactivity Hazard: | NO |

REGULATORY LISTS SEARCHED:

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

AUSTRALIA, CANADA, JAPAN, KOREA, PHILIPPINES: This material contains components that require notification before sale or importation.

EUROPEAN UNION: All the components of this material are in compliance with the EU Seventh Amendment Directive 92/32/EEC.

UNITED STATES: All of the components of this material are on the Toxic Substances Control Act (TSCA) Chemical Inventory.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Lubricating oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 11 OTHER INFORMATION

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.