

MATERIAL SAFETY DATA SHEET



1. Product and company identification

PRODUCT NAME : Fully synthetic R&O Industrial Gear oil ISO VG220
PRODUCT CODE : 1352
SUPPLIER : NEMCO RESOURCES LTD.
25 Midland Street
Winnipeg, Manitoba
R3E 3J6 Canada
Date Issued : October, 2013
Emergency (call collect) : 204-788-1030
CANUTEC : 613-996-6666

2. Composition/information on ingredients

General chemical description:
Proprietary synthetic gear lubricant

COMPONENT:	CAS-No.	CONCENTRATION (Wt. %):
Proprietary component(s)		100

3. Hazards identification

EMERGENCY OVERVIEW

Low hazard for usual industrial or commercial handling.

Delivery state:
liquid

State:
liquid

Odor:
almost odourless

Color(s):
amber

Routes of entry:

Skin contact, Ingestion

Potential Health Acute Effects:

Inhalation:

May cause respiratory irritation.

Skin contact:

Similar materials are not classified as skin irritants.

Eye contact:

Similar materials are not classified as eye irritants.

Ingestion:

May be harmful if swallowed in large quantities.

Potential Chronic Health Effects:

None known

4. First aid measures

After inhalation:

Immediately remove victim to fresh air.
If breathing has stopped, administer artificial respiration.
Seek medical attention immediately.

After skin contact:

Wash thoroughly with soap and water.

After eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Do not rub eyes; mechanical action may cause corneal damage.
If adverse health effects develop seek medical attention.

After ingestion:

Call a physician or poison control center immediately.

5. Fire fighting measures

Flash point:

460,4 °F (238,0 °C)
;; Flash Point, Pensky-Martens

Autoignition temperature:

Not available

Flammable/Explosive limits:

Lower limits:

Not determined.

Upper limits:

Not determined.

Suitable extinguishing media:

Water Spray
Foam.
Carbon dioxide.
Dry Chemical

Special protection equipment for firefighters:

Wear self-contained breathing apparatus.
Wear full protective clothing.

Unusual fire or explosion hazards:

None known

Hazardous combustion products:

Carbon dioxide., carbon monoxide, phosphorus oxides, nitrogen oxides

Additional fire fighting advice:

In case of fire, keep containers cool with water spray.
If a spill or leak has not ignited, use water spray to disperse the vapors.
Water spray may be used to flush spills away from fire.

6. Accidental release measures

Personal precautions:

Wear adequate personal protective clothing and equipment.

Environmental precautions:

Add dry material to absorb spill (if large spill, dike to contain).

Methods for cleaning and take-up:

Pick up spilled material and containerize for recovery or disposal.
Flush area with water to remove residues.

7. Handling and storage

Handling:

Handling advice:

Ensure adequate ventilation.
Avoid formation of aerosols or mist.
Danger of slipping on spilled product.

Storage:

General storage advice:

Avoid container damage while handling and storing.
Avoid heating to decomposition.

Storage conditions to keep:

Store in sealed original container.

8. Exposure controls/personal protection

Indication for system design:

Local exhaust ventilation recommended.

Components with specific control parameters for workplace:

Valid for USA

Name on list	Basis	Type	Value	Category	Remarks
OIL MIST, MINERAL	ACGIH	Time Weighted Average (TWA):	5 mg/m ³		
OIL MIST, MINERAL	ACGIH	Short Term Exposure Limit (STEL):	10 mg/m ³		

Personal protection measures:

Respiratory protection:

If exposed to aerosol or mist, wear NIOSH approved Category 23C respirator, excluding single use or disposable respirators in accordance with 30 CFR 11(i).

The respirator shall be equipped with combination cartridges approved for paints, enamels and lacquers unless air-supplied respirator is selected.

Hand protection:

Protective gloves made of rubber.

Eye protection:

Safety glasses with side shields.

Skin protection:

Wear suitable protective clothing.

9. Physical and chemical properties

General description:

Delivery state:	liquid
State:	liquid
Odor:	almost odourless
Color(s):	amber

Designation

Designation	Value	Method
Melting point	-36 °C (-32.8 °F)	
Density	0.86 g/cm ³	no information
Solubility in Water	Insoluble	no information

10. Stability and reactivity

Reactivity:

Materials to avoid:

Oxidizers
Bases
Strong Acids

Hazardous polymerization:

Will not occur

11. Toxicological information

General toxicological information:

No toxicity information available or testing conducted on this product.

Any health or toxicological information included in Section 3 was based on data associated with the components or an analogous product.

12. Ecological information

General ecological information:
no data available

13. Disposal considerations

Waste disposal of product:
Avoid landfilling liquids.
Reclaim where possible.
All recovered material should be packaged, labeled, transported, and disposed or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices.

14. Transport information

General information:
Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR, CFR and TDG.

15. Regulatory information

TSCA Inventory Status:	This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.		
SARA 311/312 Hazard Categories:	None		
TSCA 12(b) Components:	none		
SARA 313 Toxic Chemicals:	none		
SARA 302 Extremely Hazardous Substances:	US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)		
	FORMALDEHYDE	CAS: 50-00-0	<1PPM
CERCLA Hazardous Chemicals:	US. EPA CERCLA Hazardous Substances (40 CFR 302)		
	METHYLENE OXIDE	CAS: 50-00-0	<1PPM
	POLYCYCLIC ORGANIC MATTER	CAS: 115-86-6	0.7%
California Proposition 65:	This product contains the following chemical/s known to the State of California to cause cancer and/or birth defects or other reproductive harm.		
	FORMALDEHYDE (GAS)	CAS: 50-00-0	<1PPM

16. Other information

NFPA Rating (US)	Value
Health	1
Fire	1
Reactivity	0
Special Hazard	

HMIS Rating (US)	Value
Health	1
Flammability	1
Reactivity	0

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