

MATERIAL SAFETY DATA SHEET



1. Product and company identification

PRODUCT NAME : SynTrans SAE50
PRODUCT CODE : 0378
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. Hazards identification

EMERGENCY OVERVIEW

Low hazard for usual industrial or commercial handling.

State:

liquid

Odor:

little intrinsic odour

Color(s):

light amber

Routes of entry:

Inhalation, Skin contact, Ingestion

Potential Health Acute Effects:

Inhalation:

May cause respiratory irritation.

Skin contact:

May cause skin irritation.

Eye contact:

May cause eye irritation.

Ingestion:

May be harmful if swallowed in large quantities.

Potential Chronic Health Effects:

None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

General chemical description:

Synthetic Lubricant

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

4. FIRST AID MEASURES

General Advices:

In case of adverse health effects seek medical advice.

After inhalation:

not relevant.

After skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

After eye contact:

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

After ingestion:

Rinse the mouth. Drink 1-2 glasses of water.

5. FIRE FIGHTING MEASURES

Flash point:

> 375,08 °F (> 190.6 °C)

ASTM D 92-97; QP1363.2; Flash and Fire Points by Cleveland Open

Suitable extinguishing media:

foam , extinguishing powder, carbon dioxide
water spray jet

Improper extinguishing media:

High pressure waterjet

Special protection equipment for firefighters:

Wear self-contained breathing apparatus.

Hazardous combustion products:

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

Additional fire fighting advice:

In case of fire, keep containers cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

General information:

Danger of slipping on spilled product.
Clean up spills immediately.

Methods for cleaning and take-up:

Using adequate protective equipment, add dry material to absorb spill (if large spill, first dike to contain).
Pick up spilled material and containerize for recovery or disposal.
Flush area with water to remove residues.

7. HANDLING AND STORAGE

Handling:

Handling advice:

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

Storage:

General storage advice:

No particular measures required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Indication for system design:

Not necessary under normal use conditions.

Components with specific control parameters for workplace:

Valid for USA

Name on list	Basis	Type	Value	Category	Remarks
MINERAL OIL, POORLY AND MILDLY REFINED, INHALABLE FRACTION	ACGIH NIC	Time Weighted Average (TWA).	0.2 mg/m ³		
MINERAL OIL, POORLY AND MILDLY REFINED, INHALABLE FRACTION	ACGIH NIC	Time Weighted Average (TWA).	0.2 mg/m ³		
MINERAL OIL, PURE, HIGHLY & SEVERELY REFINED, INHALABLE FRACTION	ACGIH NIC	Time Weighted Average (TWA).	5 mg/m ³		
MINERAL OIL, POORLY AND MILDLY REFINED, INHALABLE FRACTION	ACGIH NIC				Included in the regulation but with no data values. See regulation for further details.
OIL MIST, MINERAL	ACGIH	Time Weighted Average (TWA).	5 mg/m ³		O: Sampled by method that does not collect vapor.
OIL MIST, MINERAL	ACGIH	Short Term Exposure Limit (STEL):	10 mg/m ³		O: Sampled by method that does not collect vapor.
OIL MIST (MINERAL)	NIOSH	Recommended exposure limit (REL):	5 mg/m ³		
OIL MIST (MINERAL)	NIOSH	Short Term Exposure Limit (STEL):	10 mg/m ³		
OIL MIST (MINERAL)	OSHA Z1	Permissible Exposure Limit (PEL)	5 mg/m ³		
OIL MIST (MINERAL)	OSHA Z1				Listed.
OIL MIST (MINERAL)	OSHA Z1A	Time Weighted Average (TWA).	5 mg/m ³		
OIL (MINERAL) MIST, PARTICULATE	US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	5 mg/m ³		
MINERAL OIL (PARAFFIN OIL), PARTICULATE	TX ESL	Short-Term ESL:	50 others	1 hourug/m3	
MINERAL OIL (PARAFFIN OIL), PARTICULATE	TX ESL	Annual ESL:	5 others	ug/m3	
MINERAL OIL (PARAFFIN OIL), VAPOR	TX ESL	Annual ESL:	100 others	ug/m3	
MINERAL OIL, EXCLUDING METAL WORKING FLUIDS, PURE, HIGHLY AND SEVERELY REFINED, INHALABLE FRACTION	ACGIH	Time Weighted Average (TWA).	5 mg/m ³		
MINERAL OIL (PARAFFIN OIL), VAPOR	TX ESL	Short-Term ESL:	1000 others	1 hourug/m3	

Personal protection measures:

Respiratory protection:

Not applicable with adequate ventilation.
NIOSH/MSHA approved respirator if necessary.
Follow manufacturer's recommendations.

Hand protection:

Appropriate chemical resistant gloves.

Eye protection:

Safety glasses with side shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

General description:

State:	liquid
Odor:	little intrinsic odour
Color(s):	light amber

Designation	Value	Method
Density	0.8610 g/cm ³	no information
Solubility in Demineralised water (25.0 °C (77°F);)	practically insoluble	no information

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

10. STABILITY AND REACTIVITY

Stability:

Decomposition advices:

No decomposition if used according to specifications.

Reactivity:

Materials to avoid:

Reaction with strong acids.
Reaction with strong bases
Reaction with oxidants.

Hazardous polymerization:

Will not occur

11. TOXICOLOGICAL DATA

General toxicological information:

Any toxicological information included in this section is based upon data associated with the components or an analogous product.

Acute oral toxicity:

LD50 > 2000 mg/kg body weight

Skin irritation:

not irritating

Eye irritation:

not irritating

12. ECOLOGICAL INFORMATION

General ecological information:

The ecological evaluation of the product is based on data from the raw material and/or comparable substances.

Acute fish toxicity:

LC50 > 10 - <= 100 mg product/l.

Acute bacterial toxicity:

EC0 > 10 - <= 100 mg product/l.

Ultimate biodegradation:

The total of the organic components contained in the product achieve values below 60% BOD/COD or CO2 liberation, or below 70% DOC reduction in tests for ease of degradability. Threshold values for 'readily degradable' (e.g. to OECD method 301) are not reached.

13. DISPOSAL CONSIDERATIONS

Waste disposal of product:

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.

Avoid landfilling liquids.

Reclaim where possible.

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)		
	ANILINE	CAS: 62-53-3	<5PPM

15. REGULATORY INFORMATION

CERCLA Hazardous Chemicals: US. EPA CERCLA Hazardous Substances (40 CFR 302)

ANILINE	CAS: 62-53-3	<5PPM
BETA-NAPHTHYLAMINE	CAS: 91-59-8	<1PPM
ETHYL ACRYLATE	CAS: 140-88-5	<1PPM

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.

1-NAPHTHYLAMINE	CAS: 134-32-7	<1PPM
ANILINE	CAS: 62-53-3	<5PPM
2-NAPHTHYLAMINE	CAS: 91-59-8	<1PPM
ETHYL ACRYLATE	CAS: 140-88-5	<1PPM

16. OTHER INFORMATION

Emergency Overview

This material is not considered hazardous according to OSHA criteria.

NFPA



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

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

16. OTHER INFORMATION

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control. All risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses, which infringe valid patents, or as extending license under valid patents. Appropriate warnings and safe-handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, republication or retransmission of this document, in whole or in part, is not permitted. Nemco assumes no responsibility for accuracy of information unless the document is the most current available from an official Nemco distribution system. Nemco neither represents nor warrants that the format, content or product formulas contained in this document comply with the laws of any country except Canada.

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