
Product and Company Identification
ISOSEP OIL

Date of MSDS: March 24, 2008

Product Identification: ISOSEP – OIL

Company Name: PERFLEX Ltd.

7 Giborey Israel St. Industrial Area Poleg
Netanya 4250407, P.O.B 8123, Israel

General Information Telephone: Emergency Telephone: Not required by regulations.

Summary of Hazards
ISOSEP OIL

Not intended for human internal consumption. Not expected to present a hazard under anticipated conditions of use. However, if ingestion occurs, do not induce vomiting.

Fire and Explosion
ISOSEP OIL

Flash Point Method

AP 367 degF (D-92)

See Fire and Explosion Hazards

Autoignition Temperature (Method)

AP 650 degF (EST.)

Flammable Limits (%Vol. in Air)

Lower: N/A Upper: N/A

Fire and Explosion Hazards: Slightly combustible! Osha/NFPA Class IIIB combustible liquid. When heated above its flash point, this material will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to an ignition source. Mists or sprays may be flammable at temperatures below the normal flash point. Keep away from extreme heat and open flame.

Extinguishing Media:

Dry chemical Waterspray

CO2

Foam

Foam and water fog are effective but may cause frothing

Hazard Rating:

Fire: 1

Health: 0

Reactivity: 0

Special Firefighting Procedures: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of combustion products and oxygen deficiencies. If firefighters cannot work upwind to the fire, respiratory protective equipment must be worn. Cool tanks and containers exposed to fire with water. Burning liquid will float on water.

Health hazards
ISOSEP OIL

Summary of Acute Hazards: Not expected to present a significant health hazards upon short-term exposure.

ROUTE OF EXPOSURE	SIGNS AND SYMPTOMS
Inhalation	No significant adverse health effects are expected to occur upon short- term exposure.
Eye Contact	No irritation is expected from short-term exposure.
Skin Absorption	No significant adverse health effects are expected to occur upon short- term exposure.
Skin Irritation	No irritation is expected from short-term exposure.
Ingestion	Ingestion will produce a cathartic (Laxative) effect and may be irritation to the digestive tract. Aspiration into lungs will cause lipoid pneumonia.

Summary of Chronic Hazards and Special Health Hazards: No significant signs or symptoms indicative of any adverse health effects are expected to occur.

Protective Equipment and Other Control Measures
ISOSEP OIL

Respiratory: None is needed under anticipated use conditions with adequate ventilation. If exposure exceeds the occupations exposure limits, follow OSHA standards or equivalent and wear proper niosh/msha approved respiratory equipment.

Eye: Safety glasses should be adequate protection. Have suitable eye wash water available.

Skin: No Special skin protection other than a good personal hygiene practice is recommended under anticipated conditioning of use.

Other Hygienic and Work Practices: Wash hands with plenty of soap and water before eating , drinking, smoking, or use of toilet facilities. Do not use gasoline, solvents, kerosene or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs.

Occupation Exposure Limits
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Substance	Source	Date	Type	Value/Units	Time
Liquid	OSHA	1989	PEL	5MG/M3	8 hrs.
	ACGIH	1993	TLV	5MG/M3	8 hrs.
			STEL	10MG/M3	15min

Emergency and First Aid
ISOSEP OIL

Inhalation: Vaporization is not expected at ambient temperatures, but should inhalation occur, immediately remove personnel from contaminated area to fresh air. Obtain medical attention if there are signs of breathing difficulties.

Eye Contact: Flush eyes with clean, low pressure water at least 15 minutes, occasionally lifting the eyelids. If pain or redness persists after flushing, obtain medical attention.

Skin Contact: Remove by wiping; then wash skin thoroughly with plenty of soap and water. Remove contaminated clothing and thoroughly clean before reuse. Discard contaminated leather gloves and shoes.

Ingestion: No significant signs or symptoms indicative of any adverse health effects are expected; but to not induce vomiting, since aspiration into the lungs may cause lipoid pneumonia.

Emergency Medical Treatment Procedures: See above procedures.

Spill and Disposal
ISOSEP OIL

Precautions if Material is Spilled or Released: Contain spill, if possible, safely stop flow spill. Spill may create slipping hazards. Evacuate all non-essential personnel from the spill area.

Waste Disposal Methods: Maximize product recovery for re-use or recycling.

Physical and Chemical Data
ISOSEP OIL

Boiling Point: GT 450deg to 700deg F. **Viscosity Units, Temp (Method):** AP 72 SUSS at 100deg F (D2161) **Dry Point:** N/A **Freezing Point:** N/A

Vapor Pressure: (MM HG at 70deg F) LT 0.1

Volatile Characteristics: Negligible **Specific Gravity:** AP .86 **Vapor Sp. Gr.:** GT 10

Solubility in Water: Negligible

pH: AP 7

Hazardous Polymerization: Not expected to occur

Stability: Stable

Other Physical and Chemical Properties: Viscosity index=AP 100 (ASTM D-2270); Kinematic Viscosity=AP 13 CST @ 40degC; Pout point temperature =AP 10degF (ASTM D-97)

Appearance: Light Pink

Odor: Mint

Conditions to Avoid: Extreme heat and open flame

Materials to Avoid: Strong acids and oxidizers such as liquid chlorine and oxygen.

Hazardous Decomposition Products: Burning or excessive heating may produce carbon monoxide and other harmful substances.

Additional Precautions
ISOSEP OIL

Stability: Stable under normal storage conditions.

NOTICE

All information, recommendations and suggestions appearing herein concerning the product are based upon data obtained from the manufacturer and/ or recognized technical sources; however, PERFLEX LTD makes no warranty, representation or guarantee as to the accuracy, sufficiency, or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his/her own use, handling and disposal of the product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by PERFLEX LTD. As to the effects of such use, PERFLEX LTD does not assume any liability arising out of use by others of the products referred to herein. The data in this Material Safety Data Sheet relate only to the specific material designated herein and does not relate to use in combination with any other material.
