



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SYNTEGRA INTEC – SERIES 150, 220, 320 AND 460
INDUSTRIAL GEAR OILS

Not classified as hazardous according to the criteria of NOHSC.

SUPPLIER: PROLUBE

ISSUE DATE: 4th November, 2005

IDENTIFICATION

USE: SYNTHETIC GEAR OIL

UN No.:	Not assigned
Main Class:	Not assigned
Subsidiary Risk:	Not assigned
Poison Schedules:	Not allocated
HazChem Code:	Not assigned
CAS No.:	Not relevant

PRODUCT PROPERTIES:

Appearance and Odour:	Yellow /Amber colour Mild oil odour.
Chemical Reactivity:	Stable, Reacts with oxidising agents.
Solubility in Water:	<0.1 g/l

PROPERTY	VALUE	UOM	TEMPERATURE
Specific gravity	0.84 – 0.89		15
Melting point	Not available		
Vapour pressure	Expect <0.0005	kPa	20
IBP	Expected >160	°C	
FBP	Not available		
Evaporation rate	Not available		
Vapour density (air = 1)	>1		20

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IDENTIFICATION**PRODUCT PROPERTIES:** (continued)

FIRE / EXPLOSION HAZARD	
Flash point	Typically 160°C
Auto ignition	Typically >320°C
% Volatiles	Not available
LEL	Typically 1% v/v
UEL	Typically 10% v/v

PRODUCT INGREDIENTS:

INGREDIENT	PROPORTION
Synthetic Hydrogenated Base Oil	>60% m/m
Additives (Calcium, Phosphorous, Sulphur, Zinc, Nitrogen, Magnesium and Olefin copolymers)	>30% m/m

HEALTH ASPECTS

CONDITION	HEALTH EFFECTS	FIRST AID
SWALLOWED	Ingestion of this product and subsequent vomiting can result in aspiration of light hydrocarbon liquid into the lungs, causing chemical pneumonia and lung damage.	Do not induce vomiting. Aspiration of this fluid can cause serious lung injury such as chemical pneumonitis. If necessary seek medical advice.
EYE CONTACT	Not expected to cause eye irritation.	Immediately rinse eyes thoroughly, including under the eyelids, with running water for at least 15 minutes.
SKIN CONTACT	Not expected to be irritating to the skin.	Remove contaminated clothing and launder. Wash skin thoroughly with soap and water.
INHALED	Repeated or prolonged contact with skin may cause irritation.	Should not normally cause irritation. Remove to open space or fresh air. If respiratory irritation occurs, move patient to fresh air. If irritation continues, call a doctor.

Advice to Doctor:

This product may present as an aspiration hazard. If spontaneous vomiting has occurred after ingestion, the patient should be monitored for difficult breathing, as adverse effects of aspiration into the lungs may be delayed for up to 48 hours.

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PRECAUTIONS FOR USE**EXPOSURE STANDARDS:**

WORKSAFE EXPOSURE STANDARD time weighted average (TWA) <5mg/m³ (oil mist).

ENGINEERING CONTROLS:

Special ventilation is not normally required due to the low volatility of the product at normal temperatures. However, in the operation of certain equipment or at elevated temperatures, mists or vapours may be generated and exhaust ventilation should be provided to maintain airborne concentration levels below the exposure standard.

PERSONAL PROTECTION:

Avoid contact with the skin and eyes, and avoid breathing vapours or mists. When exposure is likely, personal protective equipment in a combination appropriate to the degree and nature of exposure should be selected from the following list:

1. Eye protection
2. PVC gloves
3. PVC apron and sleeves, or full PVC covering
4. PVC or rubber boots

Where the concentration of vapour or mist is expected to approach the exposure limit, the following additional equipment is recommended:

1. Short elevated exposures, eg spillage: Goggle and correct respiratory protection should be worn.
2. Prolonged elevated exposures: Full-face air supplied or self-contained breathing apparatus should be worn.

For detailed advice on Personal Protective Equipment, refer to the following Australian Standards:

1. HB9 (Handbook 9) Manual of industrial personal protection.
2. AS 1337 Eye protectors for industrial applications.
3. AS 1715 Selection, use and maintenance of respiratory protective devices.
4. AS 1716 Respiratory protective devices.

CONTAMINATION:

If contamination occurs, change clothing and discard internally contaminated gloves and footwear. Launder contaminated clothing before reuse. Maintain good personal hygiene. Eye wash fountains and safety showers should be available for emergency use.

FLAMMABILITY:

Combustible liquid, will not burn unless preheated.

Refer to AS 1940 Storage and handling of flammables and combustible liquids, and
AS 2865 Safe working in a confined space

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SAFE HANDLING INFORMATION**STORAGE AND TRANSPORT:**

No special storage requirements. This product is not classified as a dangerous good, but is rated Combustible C2.

SPILLS AND DISPOSAL:

Extinguish or remove all sources of ignition and stop leak if safe to do so. Contain the spill with sand or earth and take up with a vacuum truck or absorb with absorbent material, sand or earth. Place used absorbent in suitable sealed containers and follow State or Local Authority Regulations and Guidelines for disposal of the waste. Clean area with detergent and water. Do not allow product to enter drains, sewers or watercourses. Inform the relevant authority if this does occur.

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FIRE / EXPLOSION HAZARD:

Combustible combustion products include oxides of carbon. Keep storage tanks, pipelines, fire-exposed surfaces etc, cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Use dry chemical, or foam fog nozzle, applied with water spray to extinguish fire. Wear self-contained breathing apparatus in confined spaces. Eye wash should be available.

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OTHER INFORMATION

Long-term animal experiments have shown that any health risks are associated with the level of aromatic and polycyclic constituents in the product. These constituents are removed during the manufacturing process to a level at which no health risks are expected as a result of normal handling.

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USED OILS:

As supplied, this product does not show any carcinogenic effects, however, during use, the oil may acquire impurities which present risks to health that did not exist in the unused oil. Since the nature and level of impurities varies according to conditions of use, it is most sensible to assume that all used oil may cause skin cancer and to minimise contact with all used oils as far as possible. Used oil should not be allowed to contaminate soil or water. Follow prevailing regulations for recycling or disposal of used oils.

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CONTACT

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