

SAFETY DATA SHEET

APPLIED GEAR LUBE

Infosafe No.: 5APDY
ISSUED Date : 21/10/2016
ISSUED by: ITW POLYMERS & FLUIDS

1. IDENTIFICATION

GHS Product Identifier

APPLIED GEAR LUBE

Product Code

A8244

Company Name

ITW POLYMERS & FLUIDS (ABN 63 004 235 063)

Address

100 Hassall Street Wetherill Park
NSW 2164 Australia

Telephone/Fax Number

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Fax: 1800 803 596; +61 2 9757 3855

Emergency phone number

1800 385 556 / 0438 465 960

E-mail Address

info@itwpcf.com.au

Recommended use of the chemical and restrictions on use

Gear lubricant and corrosion inhibitor.

Disclaimer

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Websites:

www.itwpcf.com.au

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Fluid Chemicals NZ

5A Andrew Baxter Drive, Airport Oaks, Auckland, 2150

Postal Address: P.O. Box 201185 , Auckland Airport, 2150, New Zealand

EMERGENCY TEL: 0800 154 666

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

Flammable Liquids: Category 3

Aspiration Hazard: Category 2

STOT Single Exposure: Category 3 (narcotic)

STOT Single Exposure: Category 3 (respiratory tract irritation)

Signal Word (s)

WARNING

Hazard Statement (s)

Repeated exposure may cause skin dryness or cracking.
Flammable liquid and vapour.
May be harmful if swallowed and enters airways.
May cause respiratory irritation.
May cause drowsiness or dizziness.

Pictogram (s)

Flame,Health hazard,Exclamation mark



Precautionary statement – Prevention

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a POISON CENTER or doctor/physician if you feel unwell.

Precautionary statement – Storage

Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Ingredients determined not to be hazardous	-	Balance
Dipropylene glycol methyl ether	34590-94-8	0-10 %
Naptha (Petroleum), hydrotreated light	64742-48-9	>60 %

4. FIRST-AID MEASURES

Inhalation

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Seek immediate medical attention.

Ingestion

If swallowed do NOT induce vomiting. Remove any material from in the mouth. Give water and seek medical advice. If patient does vomit give more water.

Skin

Flush area with large amounts of water and wash area with soap if available. Remove contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.

Eye contact

If in eyes, hold eyes open, flood with water for at least 15 minutes and seek immediate medical attention.

First Aid Facilities

Eye wash station, safety shower and normal washroom facilities.

Advice to Doctor

Treat according to symptoms. Avoid gastric lavage: risk of aspiration of product to the lungs with the potential to cause chemical pneumonitis.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical or foam.

Hazards from Combustion Products

Carbon dioxide and carbon monoxide.

Special Protective Equipment for fire fighters

Full protective clothing and self-contained breathing apparatus.

Specific Methods

Shut off product that may 'fuel' a fire if safe to do so. Prevent extinguishing media from escaping to drains and waterways where safe to do so.

Hazchem Code

3[Y]

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Prevent fluid from entering drains and waterways. Contain leakage if safe to do so. Prevent vapours from building up in confined areas. Ensure that drain valves are closed at all times. Spills may be slippery. Clean up and report spills immediately. Unnecessary personnel should be removed from the area.

Methods And Materials For Containment And Cleaning Up

Eliminate sources of ignition. Absorb excess amounts of spill in sand, earth or other suitable non-combustible absorbent. Absorbent and absorbed material should be disposed of in a suitable, approved chemical dump.

7. HANDLING AND STORAGE

Precautions for Safe Handling

This product is flammable. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Material will accumulate static charge. Use grounding leads to avoid discharge (electrical spark).

Conditions for safe storage, including any incompatibilities

Store in a cool, dry place away from direct sunlight. Do not pressurise, cut, heat or weld containers - residual vapours are flammable. This product will fuel a fire in progress.

Unsuitable Materials

Natural Rubber, Butyl Rubber, EPDM, Polystyrene

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls, Personal Protection

The time weighted average concentration (TWA) for the ingredient: Naptha (Petroleum), hydrotreated light is: 1200 mg/m³ (171 ppm), which means the highest allowable exposure concentration in an eight-hour day for a five-day working week.

Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Dipropylene glycol methyl ether		TWA	50	ppm	skin
Dipropylene glycol methyl ether		TWA	308	mg/m ³	skin

Biological Limit Values

None established for this product.

Appropriate Engineering Controls

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.

Respiratory Protection

Where concentrations in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type A filter material is considered suitable for this product.

Eye Protection

Use safety glasses or a face shield when handling this product.

Hand Protection

It is recommended that chemical resistant gloves such as PVA or be worn when handling this product.

Footwear

Enclosed footwear or safety boots.

Body Protection

Wear long sleeves and long trousers or coveralls.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Clear brown liquid, with a solvent odour

Boiling Point

Not measured

Solubility in Water

Not soluble

Specific Gravity

Approx. 0.78

pH

Not measured

Vapour Pressure

Not measured

Flash Point

Flash point > 37 degrees Celsius

Other Information

Flammable liquid

10. STABILITY AND REACTIVITY

Chemical Stability

Stable at room temperature and pressure

Conditions to Avoid

Sources of heat and ignition, open flames.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, and other organic complexes on incomplete burning or oxidation

Possibility of hazardous reactions

Oxidizing agents, mineral acids, halogenated organic compounds

Hazardous Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Ingestion

Small amounts of liquid aspirated into the lungs during ingestion, or from vomiting, may cause chemical pneumonitis, or pulmonary oedema. Ingesting large amounts of this product will result in headaches, nausea, dizziness, and tracheal burning.

Inhalation

This product is irritating to the respiratory tract. Exposure to large concentrations over an extended period of time will result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations, and possible loss of consciousness.

Skin

This product is irritating to the skin with prolonged exposure. It may result in dryness and cracking.

Eye

This product is irritating to eyes, but will not permanently damage the eye tissue

Skin Sensitisation

Individuals with pre-existing skin conditions may be sensitive to this product.

Chronic Effects

Repeated or prolonged contact may result in dryness or defatting of the skin.

12. ECOLOGICAL INFORMATION

Persistence and degradability

This product can degrade rapidly in air. This substance is expected to be removed in wastewater treatment. Based upon data for a similar components or estimated data, this product is expected to biodegrade rapidly and be 'readily' biodegradable according to OECD guidelines.

Mobility

This product is highly volatile and will rapidly evaporate to the air if released into the water

Acute Toxicity - Fish

No data

Acute Toxicity - Daphnia

No data

Acute Toxicity - Algae

No data

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Dispose to licensed disposal contractor

Container Disposal

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Packaging may still contain fumes and vapours that are harmful. Ensure that empty packaging is allowed to dry.

Special precautions for landfill or incineration

This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product is ashless and can be burned directly in appropriate equipment.

14. TRANSPORT INFORMATION

U.N. Number

1993

UN proper shipping name

FLAMMABLE LIQUID, N.O.S.(CONTAINS LIQUID HYDROCARBONS)

Transport hazard class(es)

3

Packing Group

III

Hazchem Code

3[Y]

EPG Number

3A1

IERG Number

14

15. REGULATORY INFORMATION

Poisons Schedule

S5

Australia (AICS)

All components listed.

16. OTHER INFORMATION

Date of preparation or last revision of SDS

Replaces SDS dated 4/5/2012

References

Australian Code for the Transport of Dangerous Goods by Road and Rail.

International Maritime Dangerous Goods Code.

International Air Transport Association Dangerous Goods Regulations.

Dangerous Properties of Industrial Materials 5th Ed (1979)., Sax, N.I.

Globally Harmonised System of Classification and Labelling of Chemicals,ST/SG/AC.10/30, United Nations 2003

Supplier Safety Data Sheets

Supplier Material Safety Data Sheets

Contact Person/Point

This Safety Data Sheet summarises at the date of issue to the best of our knowledge, the health and safety hazards of the product and how to safely handle and use the product.

As ITW Polymers & Fluids cannot anticipate or control the conditions under which the product is used, customers are encouraged, prior to usage, to assess and control the risks associated with their use of the product.

Data sheets from unauthorised sources may contain information that is no longer current or accurate.

This SDS is valid for 5 years from date of issue. However, this version may be revoked and revised at any time, and users should contact ITW Polymers & Fluids to ensure they are in possession of the latest version.

Signature of Preparer/Data Service

AMS

END OF SDS

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