

SAFETY DATA SHEET

MOLYBOND GA10 GREASE

Infosafe No.: 77K0H
ISSUED Date : 27/06/2017
ISSUED by: ITW POLYMERS AND FLUIDS

1. IDENTIFICATION

GHS Product Identifier

MOLYBOND GA10 GREASE

Company Name

ITW POLYMERS AND FLUIDS (ABN 63 004 235 063)

Address

100 Hassall Street Wetherill Park
NSW 2164 Australia

Telephone/Fax Number

Tel: +61 2 9757 8800

Fax: +61 2 9757 3855

Emergency phone number

1800 385 556 / 0438 465 960

Emergency Contact Name

(02) 9652-1713 A/HRS

Recommended use of the chemical and restrictions on use

Lubricating grease.

Other Names

Name	Product Code
Petroleum based lubricant, grease, 26/B0731	

Additional Information

Emergency telephone number

Emergency telephone numbers: 1800 039 008; 0800 2436 2255

Other emergency telephone numbers: +61 3 9573 3112

EMERGENCY RESPONSE

Primary Number: 1800 039 008

Alternative Number 1: 1800 039 008

Alternative Number 2: +612 9186 1132

Once connected and if the message is not in your preferred language then please dial 01

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Signal Word (s)

NOT APPLICABLE

Hazard Statement (s)

Not Applicable

Precautionary Statement (s)

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

Precautionary statement – Prevention

Not Applicable

Precautionary statement – Response

Not Applicable

Precautionary statement – Storage

Not Applicable

Precautionary statement – Disposal

Not Applicable

Other Information

Classification: Not Applicable

Label elements

GHS label elements: Not Applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition

Substances

See section below for composition of Mixtures

NOTE: Manufacturer has supplied full ingredient information for assessment.

Ingredients

Name	CAS	Proportion
Mineral oil	Not avail.	} > 60%[weight]
Lithium soap		}
Molybdenum disulfide	Not Available	10-30 %weight

4. FIRST-AID MEASURES

Inhalation

If fumes, aerosols or combustion products are inhaled remove from contaminated area.

Other measures are usually unnecessary.

Ingestion

Immediately give a glass of water.

First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin

If skin or hair contact occurs:

Flush skin and hair with running water (and soap if available).

Seek medical attention in event of irritation.

Eye contact

If this product comes in contact with eyes:

Wash out immediately with water.

If irritation continues, seek medical attention.

Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Indication of immediate medical attention and special treatment needed if necessary

Treat symptomatically.

Heavy and persistent skin contamination over many years may lead to dysplastic changes. Pre-existing skin disorders may be aggravated by exposure to this product.

In general, emesis induction is unnecessary with high viscosity, low volatility products, i.e. most oils and greases.

High pressure accidental injection through the skin should be assessed for possible incision, irrigation and/or debridement.

NOTE: Injuries may not seem serious at first, but within a few hours tissue may become swollen, discoloured and extremely painful with extensive subcutaneous necrosis. Product may be forced through considerable distances along tissue planes.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Foam.
Dry chemical powder.
BCF (where regulations permit).
Carbon dioxide.

Specific Methods

Alert Fire Brigade and tell them location and nature of hazard.
Wear breathing apparatus plus protective gloves.
Prevent, by any means available, spillage from entering drains or water courses.
Use water delivered as a fine spray to control fire and cool adjacent area.

Specific Hazards Arising From The Chemical

Fire Incompatibility: Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

Fire/Explosion Hazard

Combustible.
Slight fire hazard when exposed to heat or flame.
Heating may cause expansion or decomposition leading to violent rupture of containers.
On combustion, may emit toxic fumes of carbon monoxide (CO).
Combustion products include:

,
carbon dioxide (CO₂)

,
other pyrolysis products typical of burning organic material.
May emit poisonous fumes.

Decomposition Temperature

Not Available

6. ACCIDENTAL RELEASE MEASURES

Clean-up Methods - Small Spillages

Slippery when spilt.
Clean up all spills immediately.
Avoid contact with skin and eyes.
Wear impervious gloves and safety goggles.
Trowel up/scrape up.

Clean-up Methods - Large Spillages

Slippery when spilt.
Minor hazard.
Clear area of personnel.
Alert Fire Brigade and tell them location and nature of hazard.
Control personal contact with the substance, by using protective equipment as required.

Other Information

Personal Protective Equipment advice is contained in Section 8 (EXPOSURE CONTROLS/PERSONAL PROTECTION) of the SDS.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Safe handling

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Prevent concentration in hollows and sumps.

Other information

- Store in original containers.
- Keep containers securely sealed.
- Store in a cool, dry, well-ventilated area.
- Store away from incompatible materials and foodstuff containers.

Conditions for safe storage, including any incompatibilities

Suitable container

- Metal can or drum
- Packaging as recommended by manufacturer.
- Check all containers are clearly labelled and free from leaks.

Storage incompatibility

- CARE: Water in contact with heated material may cause foaming or a steam explosion with possible severe burns from wide scattering of hot material. Resultant overflow of containers may result in fire.
- Avoid reaction with oxidising agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Source: Australia Exposure Standards

Ingredient: mineral oil

Material name: Oil mist, refined mineral

TWA: 5 mg/m³

STEL: Not Available

Peak: Not Available

Notes: Not Available

EMERGENCY LIMITS

Ingredient: Molybond GA10 Grease

Material name: Not Available

TEEL-1: Not Available

TEEL-2: Not Available

TEEL-3: Not Available

Ingredient: mineral oil

Original IDLH: Not Available

Revised IDLH: Not Available

Ingredient: molybdenum disulfide

Original IDLH: Not Available

Revised IDLH: Not Available

Appropriate Engineering Controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

The basic types of engineering controls are:

Process controls which involve changing the way a job activity or process is done to reduce the risk.

Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.

Respiratory Protection

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Eye Protection

Safety glasses with side shields

Chemical goggles.

Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience.

Hand Protection

Wear chemical protective gloves, e.g. PVC.

Wear safety footwear or safety gumboots, e.g. Rubber

Personal Protective Equipment

Other protection

Overalls.

P.V.C. apron.

Barrier cream.

Thermal Hazards

Not Available

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Grease

Appearance

Black grease; does not mix with water (solubility <0.1%).>

Odour

Not Available

Decomposition Temperature

Not Available

Boiling Point

>200°C

Solubility in Water

Immiscible

pH

Not Applicable (as supplied)

Not Applicable as a solution (1%)

Vapour Pressure

Negligible.

Vapour Density (Air=1)

>1

Evaporation Rate

Not Applicable

Physical State

Non Slump Paste

Odour Threshold

Not Available

Viscosity

Not Available

Volatile Component

Negligible.

Partition Coefficient: n-octanol/water

Not Available

Surface tension

Not Available

Flash Point

>200°C

Flammability

Not Applicable

Auto-Ignition Temperature

Not available.

Explosion Limit - Upper

Not Applicable

Explosion Limit - Lower

Not Applicable

Explosion Properties

Not Available

Molecular Weight

Not Applicable

Oxidising Properties

Not Available

Relative density

1.3

Melting/Freezing Point

Not Available

Other Information

Taste: Not Available

Gas group: Not Available

VOC g/L: Not Available

10. STABILITY AND REACTIVITY

Reactivity

See section 7 (HANDLING AND STORAGE)

Chemical Stability

Product is considered stable and hazardous polymerisation will not occur.

Conditions to Avoid

See section 7 (HANDLING AND STORAGE)

Incompatible materials

See section 7 (HANDLING AND STORAGE)

Hazardous Decomposition Products

See section 5 (FIREFIGHTING MEASURES)

Possibility of hazardous reactions

See section 7 (HANDLING AND STORAGE)

11. TOXICOLOGICAL INFORMATION

Toxicology Information

MOLYBOND GA10 GREASE

TOXICITY

Not Available

IRRITATION

Not Available

mineral oil

TOXICITY

Not Available

IRRITATION

Not Available

Legend: 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

MINERAL OIL

Toxicity and Irritation data for petroleum-based mineral oils are related to chemical components and vary as does the composition and source of the original crude.

A small but definite risk of occupational skin cancer occurs in workers exposed to persistent skin contamination by oils over a period of years. This risk has been attributed to the presence of certain polycyclic aromatic hydrocarbons (PAH) (typified by benz[a]pyrene).

Petroleum oils which are solvent refined/extracted or severely hydrotreated, contain very low concentrations of both.

Acute Toxicity: Data Not Available to make classification

Ingestion

The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence.

Inhalation

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

Not normally a hazard due to non-volatile nature of product

Skin

The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.

Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

Eye

Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).

Skin corrosion/irritation

Data Not Available to make classification

Serious eye damage/irritation

Data Not Available to make classification

Mutagenicity

Data Not Available to make classification

Respiratory sensitisation

Data Not Available to make classification

Skin Sensitisation

Data Not Available to make classification

Carcinogenicity

Data Not Available to make classification

Reproductive Toxicity

Data Not Available to make classification

STOT-single exposure

Data Not Available to make classification

STOT-repeated exposure

Data Not Available to make classification

Aspiration Hazard

Data Not Available to make classification

Chronic Effects

Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

Oil may contact the skin or be inhaled. Extended exposure can lead to eczema, inflammation of hair follicles, pigmentation of the face and warts on the soles of the feet.

12. ECOLOGICAL INFORMATION

Ecological information

Toxicity

NOT AVAILABLE

Ingredient: Molybond GA10 Grease

Endpoint: Not Available

Test Duration (hr): Not Available

Effect: Not Available

Species: Not Available

Value: Not Available

Species: Not Available

BCF: Not Available

Ingredient: mineral oil

Endpoint: Not Available

Test Duration (hr): Not Available

Effect: Not Available

Species: Not Available

Value: Not Available

Species: Not Available

BCF: Not Available

DO NOT discharge into sewer or waterways.

Persistence and degradability

Persistence: Water/Soil: No Data available for all ingredients

Persistence: Air: No Data available for all ingredients

Mobility

No Data available for all ingredients

Bioaccumulative Potential

No Data available for all ingredients

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Product / Packaging disposal

Containers may still present a chemical hazard/ danger when empty.

Return to supplier for reuse/ recycling if possible.

Otherwise:

If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.

Where possible retain label warnings and SDS and observe all notices pertaining to the product.

14. TRANSPORT INFORMATION

U.N. Number

None Allocated

UN proper shipping name

None Allocated

Transport hazard class(es)

None Allocated

Other Information

Labels Required

Marine Pollutant: NO

HAZCHEM: Not Applicable

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Ingredient

Molybond GA10 Grease

15. REGULATORY INFORMATION

Regulatory information

Safety, health and environmental regulations / legislation specific for the substance or mixture

MINERAL OIL(NOT AVAIL.) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Exposure Standards

Australia Hazardous Substances Information System - Consolidated Lists

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

National Inventory: Canada - NDSL

Status: Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) (mineral oil)

National Inventory: China - IECSC

Status: Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) (mineral oil)

National Inventory: Europe - EINEC / ELINCS / NLP

Status: Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) (mineral oil)

National Inventory: Japan - ENCS

Status: Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) (mineral oil)

National Inventory: Korea - KECI

Status: Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) (mineral oil)

National Inventory: New Zealand - NZIoC

Status: Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) (mineral oil)

Poisons Schedule

N/A

Australia (AICS)

Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) (mineral oil)

Philippines (PICCS)

Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) (mineral oil)

USA (TSCA)

Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) (mineral oil)

16. OTHER INFORMATION

Other Information

Version No: 3.1.1.1

Safety Data Sheet according to WHS and ADG requirements

Initial Date: Not Available

S.GHS.AUS.EN

Other means of identification: Not Available

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

PC-TWA: Permissible Concentration-Time Weighted Average

PCC-STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit

IDLH: Immediately Dangerous to Life or Health Concentrations

OSF: Odour Safety Factor

NOAEL :No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

TLV: Threshold Limit Value

LOD: Limit Of Detection

OTV: Odour Threshold Value

BCF: BioConcentration Factors

BEI: Biological Exposure Index

This SDS has been transcribed into Infosafe GHS format from an original, issued by the manufacturer on the date shown. Any disclaimer by the manufacturer may not be included in the transcription.

END OF SDS

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