

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) Annex II

Trade name : **Apiezon M Grease**
Part number : **214-236**

Revision date : Jan 2016
Date of print : 19.09.2016
Version : 1.0

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Material Name: Apiezon M Grease

1.2 Relevant identified uses of the substance or mixture and uses advised against relevant identified uses (Product categories [PC])

Product use: Sealing and lubricating grease for high vacuum applications.

1.3 CAS Number

8009-03-8

1.4 Details of the supplier of the safety data sheet

Supplier: INFICON AG
Street: Alte Landstrasse 6
Postal code/city: LI-9496 Balzers
Phone: 00423 / 388 3111
E-Mail: reach.liechtenstein@inficon.com

1.5 Emergency Telephone Number (worldwide)

Tox Info Suisse +41 44 251 51 51 (24 hours)

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2 Hazards identification

This product is not classified as hazardous and therefore there is no legal requirement to provide an SDS in Europe. This document has been compiled for information purposes, in accordance with Regulation (EU) No 453/2010

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

2.2 Label elements

Regulation (EC) No 1272/2008 (CLP):

No symbol or signal word.

2.3 Other hazards

None

3 Composition/information on ingredients

3.1 Substance

CAS No.:

8009-03-8

4 First aid measures

4.1 Description of first aid measures

After inhalation

None envisaged due to the low vapour pressure of the substance.

In case of skin contact

Wash with soap and water.

After eye contact

Irrigate with copious amounts of water.

After ingestion

Do not induce vomiting, obtain medical attention.

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4.2 Most important symptoms and effects, both acute and delayed

No adverse effects expected.

4.3 Indication of any immediate medical attention and special treatment needed

No special treatment required.

5 Firefighting measures

5.1 Extinguishing media

Carbon dioxide, dry powder, foam or water fog.

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

No special precautions are required.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Split product constitutes a slip hazard. Avoid contact with eyes.

6.2 Environmental precautions

No special precautions required.

6.3 Methods and material for containment and cleaning up

Can be wiped from surfaces and residues cleaned with water and detergent.

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7 Handling and storage

7.1 Precautions for safe handling

No special precautions required

7.2 Conditions for safe storage, including any incompatibilities

No special precautions required

7.3 Specific end use(s)

No special precautions required

8 Exposure controls/personal protection

8.1 Control parameters

No relevant control parameters.

8.2 Exposure controls

The level of controls depends on the use. In most cases very small quantities of material are used. Eye washes should be available for emergency use.

Eye protection

None required.

Hand protection

Wash hands after use. For prolonged or repeated skin contact gloves are recommended.

Respiratory protection

None required.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Semi-solid yellow grease.
Odour:	None.
pH:	Not applicable.
Melting point:	40 to 60°C
Initial boiling point and boiling range:	> 450°C
Flash point:	> 200°C
Flammability (solid, gas):	Data not available.
Upper/lower flammability or explosive limits:	Data not available.

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Vapour pressure:	1.7 x 10 ⁻⁹ Torr at 20°C
Vapour density:	not applicable
Relative density:	0.894 at 20°C
Water solubility:	Insoluble.
Solubility:	Soluble in aromatic hydrocarbon solvents.
Partition coefficient:	n-octanol/water: Data not available.
Auto-ignition temperature:	> 250°C
Decomposition temperature:	Data not available.
Viscosity:	Not applicable.
Explosive properties:	Data not available.
Oxidising properties:	Data not available.

9.2 Other information

Not applicable.

10 Stability and reactivity

10.1 Reactivity

Stable under normal conditions of use.

10.2 Chemical stability

Stable under normal conditions of use.

10.3 Possibility of hazardous reactions

Data not available.

10.4 Conditions to avoid

Temperatures > 120°C

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10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

None.

11 Toxicological information

11.1 Information on toxicological effects

Likely routes of exposure:

Skin and eyes are the most likely routes for exposure. Accidental ingestion may occur.

Inhalation is not expected to be a relevant route of exposure.

Acute oral toxicity:

Low toxicity: LD50 > 2000mg/kg

Acute dermal toxicity:

Expected to be of low toxicity: LD50 > 2000mg/kg

Acute inhalation toxicity:

Low volatility makes inhalation unlikely.

Skin corrosion/irritation:

Repeated and prolonged skin contact may cause dry skin of irritation.

Eye corrosion/irritation:

May cause transient irritation.

Respiratory or skin sensitization:

Not expected to be a skin sensitizer.

Aspiration hazard:

Not considered an aspiration hazard.

Carcinogenicity/mutagenicity:

Not considered a mutagenic hazard or carcinogen.

Note N: The classification as a carcinogen need not apply if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.

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12 Ecological information

When used and/or disposed of as indicated no adverse environmental effects are foreseen.
Ecotoxicological effects based on knowledge of similar substances.

12.1 Toxicity

Expected to be practically non-toxic.

12.2 Persistence and degradability

Inherently biodegradable.

12.3 Bioaccumulative potential

Has the potential to bioaccumulate.

12.4 Mobility in soil

Product has low mobility in soil.

12.5 Results of PBT and vPvB assessment

The product does not meet criteria for toxicity which requires further assessment. It is not considered PBT or vPvB.

12.6 Other adverse effects

No other adverse effects envisaged.

13 Disposal considerations

13.1 Waste treatment methods

Product and packaging must be disposed of in accordance with local and national regulations. May be incinerated. Unused product may be returned for reclamation.

14 Transport information

Not classified as hazardous under air (ICAO/IATA), sea (IMDG), road (ADR) or rail (RID) regulations.

14.1 UN number

Not relevant.

14.2 UN proper shipping name

Not relevant.

14.3 Transport hazard class(es)

Not relevant.

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14.4 Packing group

Not relevant.

14.5 Environmental hazards

Not relevant.

14.6 Special precautions for user

Not relevant.

15 Regulatory Information

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

Product is not subject to Authorisation under REACH.

15.2 Chemical safety assessment

A chemical safety assessment has been performed for this substance.

16 Other informations

Compiled according to regulation 1907/EC/2006 Annex II,
as amended by Regulation (EU) No. 453/2010.

16.1 Changes from last issue:

No significant changes

The information provided in this Safety Data Sheet is correct to our best knowledge, information and belief at the date of its publication. It is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not be construed as guaranteeing any specific property of the product.
