

Safety Data Sheet

according to UK REACH (SI 2020/1577) as amended

Version No 16

January 2026

SDS Reference Number 1201012601

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SECTION 1.

Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Material name: Apiezon AP201 Oil.

Registration number: Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product category: PC24 Lubricants, greases, release products

Application of the substance / the mixture: Lubricant

Uses advised against: Processes involving extreme heat use advised against.

1.3 Details of the supplier of the substance or mixture

M&I Materials Ltd. Hibernia Way,
Trafford Park, Manchester, M32 0ZD. United Kingdom

Tel: +44 (0)161 864 5409.

Email: apiezontech@mimaterials.com

Further information obtainable from: www.apiezon.com/contact-us/technical-enquiry/

1.4 Emergency telephone number:

Members of the public seeking specific information on poisons should contact:

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

SECTION 2.

Hazards Identification

2.1 Classification of the substance or mixture

Classification according to GB-CLP: The product is not classified, according to the GB CLP regulation.

2.2 Label elements

Labelling according to GB-CLP: Not applicable

Hazard pictograms: Not applicable

Signal word: Not applicable

Hazard statements: Not applicable

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

Determination of endocrine-disrupting properties: Not applicable

SECTION 3.

Composition/Information on Ingredients

3.2 Mixtures

Description:

A blend of highly refined mineral oils with multifunctional additives.

The ingredients are not classified as hazardous or are below disclosure limits.

Dangerous components: Not applicable

Additional information: Mineral oil contains <3% DMSO extract as measured by IP346.

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SECTION 4. First Aid Measures

4.1 Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After eye contact:

Check for and remove any contact lenses.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Wash mouth out with water

Do not induce vomiting; call for medical help immediately.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Information for doctor: Treat symptomatically and supportively.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5. Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Combustible

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

Under certain fire conditions, traces of other toxic gases cannot be excluded.

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device. Wear fully protective suit.

Do not inhale explosion gases or combustion gases.

Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product. Ensure adequate ventilation

6.2 Environmental precautions

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

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6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7. Handling and Storage

7.1 Precautions for safe handling Avoid the formation of oil haze

Information about fire - and explosion protection: Do not heat up to temperatures close to flash point.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.

Information about storage in one common storage facility: Store away from oxidising agents.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

Store in a banded area.

Storage class: 10

7.3 Specific end use(s)

No further relevant information available.

SECTION 8. Exposure Controls/ Personal Protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs

CAS: 64742-52-5 Hydrotreated heavy naphthenic distillate

Oral	Long-term systemic effects	740 µg/kg bw/day (general population)
Dermal	Long-term systemic effects	970 µg/kg bw/day (worker)
Inhalative	Long-term systemic effects	2.73 mg/m ³ (worker)
	Long-term local effects	1.19 mg/m ³ (general population) 5.58 mg/m ³ (worker)

PNECs

CAS: 64742-52-5 Hydrotreated heavy naphthenic distillate

Secondary poisoning	9.33 mg/kg food
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Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Appropriate engineering controls: No further data; see section 7.

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Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals. Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Wash hands before breaks and at the end of work.

Do not eat, drink, smoke or sniff while working.

Do not carry product impregnated cleaning cloths in trouser pockets.

Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection:



Protective gloves.

Use gloves tested and approved under appropriate government standards such as NIOSH (US) or EN374 (EU).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves: Nitrile rubber, NBR Neoprene gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material:

Break-through time: > 480 minutes

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection:



Safety glasses with side-shields conforming to EN166.

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Body protection:



Protective work clothing

Body protection must be chosen depending on product properties, activity and possible exposure.

Environmental exposure controls: Do not allow to enter drains, sewers or watercourses.

SECTION 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

General Information

Physical state:	Liquid
Colour:	Pale amber
Odour:	Characteristic
Melting point/freezing point:	Undetermined
Boiling point or initial boiling point and boiling range	> 250 °C
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Flash point:	196 °C

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Auto-ignition temperature:	> 320 °C
Decomposition temperature:	Not determined
pH:	Mixture is non-soluble (in water). Not determined
Viscosity:	
Kinematic viscosity at 40 °C	22 mm ² /s
Dynamic	Not determined
Solubility:	
water	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure	4 x 10 ⁻⁶ torr at 20°C
Density and/or relative density:	
Density at 20°C	0.899 g/cm ³
Relative density	Not determined
Vapour density	Not determined
Particle characteristics	Not applicable
9.2 Other information	
NOTE: The physical data presented above are typical values and should not be construed as a specification.	
Appearance:	
Form:	Liquid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Not determined
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Solvent content:	
VOC (EC):	0.00 %
Change in condition	
Evaporation rate:	Not determined
Information with regard to physical hazard classes:	Not applicable

SECTION 10.
Stability and Reactivity

10.1 Reactivity	No further relevant information available.
10.2 Chemical stability	
Thermal decomposition / conditions to be avoided:	No decomposition if used and stored according to specifications.
10.3 Possibility of hazardous reactions	Reacts with oxidising agents.
10.4 Conditions to avoid	Heat and static discharge.
10.5 Incompatible materials	Strong oxidising agents.

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10.6 Hazardous decomposition products

Carbon monoxide and carbon dioxide.

**SECTION 11.
Toxicological Information**

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

CAS: 64742-52-5 Hydrotreated heavy naphthenic distillate

Oral	LD50	> 5,000 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (rat)

Primary irritant effect:

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Subacute to chronic toxicity: Prolonged or repeated skin contact may irritate and cause dermatitis.

Additional toxicological information:

Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema.

11.2 Information on other hazards

Endocrine disrupting properties: None of the ingredients are listed.

**SECTION 12.
Ecological Information**

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

Not easily biodegradable.

12.3 Bioaccumulative potential

Contains components with the potential to bioaccumulate.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

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12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**SECTION 13.
Disposal Considerations**

13.1 Waste treatment methods

Recommendation

Recommended Hierarchy of Controls:

- Minimise waste;
- Reuse if not contaminated;
- Recycle, if possible; or
- Safe disposal (if all else fails).

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact waste processors for recycling information.

Unused product may be returned for reclamation.

Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.

Delivery of waste oil to officially authorised collectors only.

UK List of Waste

13 00 00	OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19)
13 02 00	waste engine, gear and lubricating oils
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 10*	packaging containing residues of or contaminated by hazardous substances

Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Disposal must be made according to official regulations.

Containers, even those that are "empty," may contain residues that can develop flammable and/or hazardous vapours upon heating. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

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SECTION 14. Transport Information

14.1 UN number ADR, ADN, IMDG, IATA	Not applicable
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Not applicable
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Not applicable
14.4 Packing group ADR, IMDG, IATA	Not applicable
14.5 Environmental hazards Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	Not applicable

SECTION 15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Regulated explosives precursors: None of the ingredients are listed. Regulated poisons: None of the ingredients are listed. Reportable explosives precursors: None of the ingredients are listed. Reportable poisons: None of the ingredients are listed. Control Of Major Accident Hazards Regulations 2015 (COMAH) Named dangerous substances - ANNEX I: None of the ingredients are listed. DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II: None of the ingredients are listed. REGULATION (EU) 2019/1148 Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)): None of the ingredients are listed. Annex II - REPORTABLE EXPLOSIVES PRECURSORS: None of the ingredients are listed. Regulation (EC) No 273/2004 on drug precursors: None of the ingredients are listed. Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors: None of the ingredients are listed.
15.2 Chemical safety assessment A Chemical Safety Assessment has not been carried out.

SECTION 16. Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
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This Safety Data Sheet is supplied on a voluntary basis.

Department issuing SDS: M&I Materials Limited Technical Department

16.2 Abbreviations and acronyms

UK REACH: REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

GB CLP: REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

UFI: Unique Formula Identifier

UK- REACH: The UK REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

GB- CLP: Retained GB CLP Regulation (EU) No. 1272/2008 as amended for Great Britain on the Classification, Labelling and Packaging of Chemicals.

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH) LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative