

MATERIAL SAFETY DATA SHEET

PRODUCT NAME : OIL - APIEZON AP301

1. Product and Company Identification

Product name: Apiezon AP301 Oil
Synonyms: None
Item Numbers: H111-05-016, H111-05-025

European Contact Details

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24 h Emergency telephone number:

Chemtrec: 1-800-424-9300

2. Hazards Identification

EMERGENCY OVERVIEW

This material when properly handled according to good working and hygienic practices is not dangerous to human health and the environment.

For short and long term exposure effects, refer to Section 11 Toxicological data.

Eye Effects: No adverse effects have been reported.
Skin Effects: No adverse effects have been reported.
Ingestion/Oral Effects: No adverse effects have been reported.
Inhalation Effects: Low volatility makes hazardous inhalation effects unlikely.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

NFPA Hazard codes		HMIS Hazard codes		Rating System
Health	0	Health	0	0 = No Hazard
Flammability	1	Flammability	1	1 = Slight Hazard
Instability	0	Reactivity	0	2 = Moderate Hazard
				3 = Serious Hazard
				4 = Severe Hazard

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3. Composition/Information on Ingredients

Ingredient	% Weight	CAS No	Hazard class*	Risk phrase*
Trimethylolpropane ester	100	85566-28-5	Not applicable	Not applicable

*Hazard class & Risk phrase. These columns are only completed for ingredients which are classified as hazardous under EU Directive No 1272/2008 (as amended) and are present in sufficient concentration to make the overall substance hazardous. In all other situations, the column will be completed as "Not applicable".

4. First Aid Measures

Eyes:	Irrigate with copious quantities of water.
Skin:	Wash with soap and water.
Ingestion/Oral:	Do not induce vomiting. Obtain medical attention.
Inhalation:	None envisaged. If high concentrations of mists or fumes are inhaled, remove to fresh air. If breathing problems occur, a qualified individual should administer oxygen or artificial respiration as indicated. Seek immediate medical attention.
Other Information:	None.

5. Firefighting Measures

Extinguishing Media:	Carbon dioxide, dry powder, foam or water fog. Do not use water jets. Direct water stream may cause violent frothing.
Fire and Explosion Hazard:	No unusual hazards identified. No known hazardous decomposition products.
Special Protective Equipment for Firefighters:	In confined spaces, firefighters should wear a Self-Contained Breathing Apparatus (SCBA) which meets appropriate standards operated in positive pressure mode and full turnout gear.

For Flammability Properties - refer to Section 9

6. Accidental Release Measures

Spilt product constitutes a slip hazard.

Contain any spillage if possible. Soak up spill with absorbent granules before washing area to prevent slip hazard. Prevent product from entering drains, sewers and watercourses.

7. Handling and Storage

Handling:	No special precautions required.
Storage:	No special precautions required.

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8. Exposure Controls/Personal Protection

Exposure Limits:

Ingredient	ACGIH - TLV	OSHA - PEL	Occupational Exposure Limits EH40 (UK)
Hydrocarbon grease	Not applicable	Not applicable	Not applicable

Personal Protection:

Engineering Measures:	None required under normal conditions of use.
Respiratory Protection:	None required under normal conditions of use.
Hand/Skin Protection:	Wear impervious gloves. Avoid prolonged exposure.
Eye/Face Protection:	Use chemical splash goggles in case of splashing.
Hygiene Measures:	Practice good workplace hygiene. Do not eat or smoke when handling. Wash hands after use and before eating.
Other/General Protection:	None.

9. Physical and Chemical Properties

Appearance and Odour	Pale yellow liquid with a faint sweet odour.	Boiling point @ 1.33 mbar/1 Torr	225/437	°C/°F
pH (as supplied)	No data available	Freezing Point	No data available	°C/°F
Solubility in Water	Insoluble	Auto Ignition	446/835	°C/°F
Volatile Content by Volume	No data available	Flash Point	245/473	°C/°F
Specific Gravity	0.942 @ 20 °C/68 °F			
Vapour Pressure (mbar)	4.8 x 10 ⁻⁸ @ 20 °C	Vapour Pressure (Torr)	3.6 x 10 ⁻⁸ @ 20 °C	

10. Stability and Reactivity

Stability:	Stable
Material/Conditions to Avoid:	Avoid temperatures > 200 °C/392 °F. Avoid strong oxidising agents.
Hazardous Decomposition:	No known hazardous decomposition products.
Hazardous Polymerisation:	Will not polymerise.

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11. Toxicological Information

For a comprehensive description for the various toxicological (health) effects which may arise if the user comes into contact with the substance or preparation refer to Section 2 Hazards Identification.

Animal data:

LD50 value: No data available

LC50 value: No data available

Carcinogenicity:

No known carcinogenic or mutagenic effects.

12. Ecological Information

When the product is used and/or disposed of as indicated, no adverse environmental effects are foreseen.

Mobility: The material has negligible volatility in air and is insoluble in water.

Degradability: The material is biodegradable.

13. Disposal Considerations

The product and its packaging must be disposed of in accordance with local and national regulations. The product may be incinerated or returned for reclamation if unused.

14. Transport Information

This product is not classified as dangerous under transport regulations.

PARAMETER	EUROPEAN	CANADIAN TDG	UNITED STATES DOT
Proper Shipping Name	Not applicable	Not applicable	Not applicable
Hazard Class	Not applicable	Not applicable	Not applicable
Identification Number	Not applicable	Not applicable	Not applicable
Shipping Label	Not applicable	Not applicable	Not applicable

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15. Regulatory Information

European Regulatory Information

This product has been classified in accordance with EU Regulation No 1272/2008 (as amended) on the Classification, Labelling and Packaging of Substances and Mixtures.

Classified as dangerous to supply: No

Risk Phrases: Not applicable

Safety Phrases: Not applicable

Symbols: None

United States Regulatory Information

All materials contained in this product are on the US Toxic Substances Control Act (TSCA).

SARA TITLE III - SECTION 313 SUPPLIER NOTIFICATION:

This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986 and 40 CFR Part 372.

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity.

Canadian Regulatory Information

WHMIS Classification: Not classified

All ingredients in this product are included in the Canadian DSL.

16. Other Information

This MSDS is compiled in accordance with ANSI Z400.1 and Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Sources of information for this data sheet:

- M & I Safety Data Sheets for Apiezon AP301 Oil. Issue date: September, 2000.
- Communications with M & I Materials.
- Edwards Publication 'Fluids and Sealants'. Publication number 09-H021-20-895.



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Glossary:

ACGIH - American Conference of Governmental Industrial Hygienists; ANSI - American National Standards Institute; Canadian TDG - Canadian Transportation of Dangerous Goods; CAS - Chemical Abstracts Service; Chemtrec - Chemical Transportation Emergency Center (US); DSL - Domestic Substances List; EEC - European Economic Community; EH40 (UK) - HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA - Emergency Planning and Community Right-to-Know Act; EU - European Union; HMIS - Hazardous Material Information Service; LC - Lethal Concentration; LD - Lethal Dose; NFPA - National Fire Protection Association; OSHA - Occupational Safety and Health Administration, US Department of Labour; PEL - Permissible Exposure Limit; SARA (Title III) - Superfund Amendments and Reauthorization Act; SARA 313 - Superfund Amendments and Reauthorization Act, Section 313; SCBA - Self-Contained Breathing Apparatus; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act Public Law 94-469; US DOT - US Department of Transportation; WHMIS - Workplace Hazardous Materials Information System.

Revisions:

October 2008 - Data Sheet updated to reflect the latest supplier safety information.

June 2010 - Data Sheet updated to reflect current regulatory information.

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