

SAFETY DATA SHEET

Version: 1.0 Date: 30.09.2014

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH),
1272/2008 (CLP) & 453/2010

AUTOMECH

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
Product Name AUTOMECH DOT-5 SILICONE BRAKE FLUID
Product code J-1705
QPL SBF1025
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified Use(s) Automotive brake fluid.
Uses Advised Against Anything other than the above.
- 1.3 Details of the supplier of the safety data sheet**
Company Identification Automech Equipment & Parts Ltd
36 Ball Moor
Buckingham
MK18 1RQ
United Kingdom

Telephone +44 (0)1280 822 818
Fax +44 (0)1280 823 140
E-Mail (competent person) jsmith@automech.co.uk
- 1.4 Emergency telephone number** 0044 (0)1280 822818
09:00 – 17:00 (GMT)
Languages spoken English

2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
- 2.1.1 Regulation (EC) No. 1272/2008 (CLP)** Not classified as hazardous for supply/use.
- 2.1.2 Directive 67/548/EEC & Directive 1999/45/EC** Not classified as dangerous for supply/use.
- 2.2 Label elements**
Product Name According to Regulation (EC) No. 1272/2008 (CLP)
AUTOMECH DOT-5 SILICONE BRAKE FLUID

Hazard Pictogram(s) None assigned

Signal Word(s) None assigned

Hazard Statement(s) None assigned

Precautionary Statement(s) None assigned

Supplemental information EUH210: Safety data sheet available on request.
- 2.3 Other hazards** None known.

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3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 **Substances** Not applicable

3.2 **Mixtures** Substances in preparations / mixtures
EC Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Statement(s)
Tributyl Phosphate	< 1	126-73-8	204-800-2	Not yet assigned in the supply chain	Acute Tox. 4; H302: Harmful if swallowed. Skin Irrit. 2; H315: Causes skin irritation. Carc. 2; H351: Suspected of causing cancer. Aquatic Chronic 3; H412: Harmful to aquatic life with long lasting effects.

Directive 67/548/EEC & Directive 1999/45/EC

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk PhrasesHazard Statement(s)
Tributyl Phosphate	< 1	126-73-8	204-800-2	Not yet assigned in the supply chain	Xn; R22: Harmful if swallowed. Xi; R38: Irritating to skin. Carc. Cat. 3; R40: Limited evidence of a carcinogenic effect.

Xi; Irritant. Xn; Harmful

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop, obtain medical attention.

Skin Contact

Wash with plenty of water. If irritation (redness, rash, blistering) develops, get medical attention.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion

Rinse mouth. Do not induce vomiting. If symptoms occur obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

As appropriate for surrounding fire. Recommended: Extinguish preferably with dry chemical, alcohol foam or waterspray.

Unsuitable extinguishing Media

Direct water jet may spread the fire.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition product(s): Carbon monoxide, Carbon dioxide.

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

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6. SECTION 6: ACCIDENTAL RELEASE MEASURES

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|------------|--|--|
| 6.1 | Personal precautions, protective equipment and emergency procedures | Eliminate all ignition sources if safe to do so. Avoid breathing vapours. Keep upwind. Take off contaminated clothing and wash it before reuse. Caution - spillages may be slippery. |
| 6.2 | Environmental precautions | Avoid release to the environment. Do not allow to enter drains, sewers or watercourses. |
| 6.3 | Methods and material for containment and cleaning up | Cover spills with inert absorbent material. Transfer to a lidded container for disposal or recovery. Allow small spillages to evaporate provided there is adequate ventilation. |
| 6.4 | Reference to other sections | See Section: 8, 13 |

7. SECTION 7: HANDLING AND STORAGE

- | | | |
|------------|---|---|
| 7.1 | Precautions for safe handling | Avoid splashing. Good hygiene practices and housekeeping measures. Keep away from fire, sparks and heated surfaces - no smoking. Avoid breathing vapours. Contaminated clothing should be thoroughly cleaned. |
| 7.2 | Conditions for safe storage, including any incompatibilities | Keep only in original container. Keep container tightly closed and in a well-ventilated place. . |
| | Storage temperature | Stable at ambient temperatures. 10°C - 50°C |
| | Storage life | 36 Month(s) |
| | Incompatible materials | Oxidizing agents. |
| 7.3 | Specific end use(s) | See Section: 1.2 |

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1** Control parameters
8.1.1 Occupational Exposure Limits

Users are advised to consider national Occupational Exposure Limits or other equivalent values.

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Tributyl phosphate, all isomers	126-73-8	-	5	-	5	WEL

Source: Workplace Exposure Limit (UK HSE EH40)

- | | | |
|--------------|--|---|
| 8.1.2 | Biological limit value | Not established. |
| 8.1.3 | PNECs and DNELs | Not established. |
| 8.2 | Exposure controls | |
| 8.2.1 | Appropriate engineering controls | Ensure adequate ventilation. No special requirements. |
| 8.2.2 | Individual protection measures, such as personal protective equipment (PPE) | Use personal protective equipment as required. |

Eye/face protection



Use suitable eye protection.

Skin protection



Wear suitable gloves if prolonged skin contact is likely.

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Respiratory protection



Respiratory protection is not necessary if room is well ventilated.

Thermal hazards

Not applicable

8.2.3 Environmental Exposure Controls

Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties (Substances in preparations / mixtures)

Appearance	Violet Viscous liquid.
Odour	Odourless
Odour Threshold	Not applicable
pH	Not determined
Melting Point/Freezing Point	Not determined
Initial boiling point and boiling range	> 207 °C
Flash Point	> 204 °C
Evaporation Rate	Not established
Flammability (solid, gas)	Non-flammable
Upper/lower flammability or explosive limits	Not determined
Vapour pressure	Not determined
Vapour density (Air = 1)	Not determined
Relative density	0.94 @ 15 °C
Solubility(ies)	Not established
Partition coefficient: n-octanol/water	Not established
Auto-ignition temperature	Not established
Decomposition Temperature	Not determined
Viscosity	< 900 cSt @ - 55 °C > 1.3 cSt @ 100 °C
Explosive properties	Not explosive
Oxidising properties	Not oxidising

9.2 Other information Not applicable

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Hazardous polymerisation will not occur.
10.4 Conditions to avoid	Elevated temperature, Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
10.5 Incompatible materials	Strong oxidising agents.
10.6 Hazardous decomposition product(s)	Combustion may cause toxic fumes. Carbon monoxide, Carbon dioxide.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects (Substances in preparations / mixtures)

Acute toxicity	Based upon the available data, the classification criteria are not met.
Ingestion	Based upon the available data, the classification criteria are not met.
Inhalation	Based upon the available data, the classification criteria are not met.
Skin Contact	Based upon the available data, the classification criteria are not met.
Skin corrosion/irritation	Based upon the available data, the classification criteria are not met.
Serious eye damage/irritation	Based upon the available data, the classification criteria are not met.
Respiratory or skin sensitization	Based upon the available data, the classification criteria are not met.
Germ cell mutagenicity	No evidence of genotoxicity.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	No evidence of reproductive effects.
STOT - single exposure	Based upon the available data, the classification criteria are not met.

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STOT - repeated exposure
Aspiration hazard

Based upon the available data, the classification criteria are not met.
Based upon the available data, the classification criteria are not met.

11.2 Other information

None

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Based upon the available data, the classification criteria are not met. Estimated LC50 > 100 mg/l (Fish)
12.2	Persistence and degradability	No data for the mixture as a whole.
12.3	Bioaccumulative potential	No data for the mixture as a whole.
12.4	Mobility in soil	No data for the mixture as a whole.
12.5	Results of PBT and VPvB assessment	None of the substances in this product fulfil the criteria for being regarded as a PBT or vPvB substance.
12.6	Other adverse effects	None known

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Do not release undiluted and unneutralised to the sewer. Dispose of contents in accordance with local, state or national legislation.
13.2	Additional Information	None.

14. SECTION 14: TRANSPORT INFORMATION

	Not classified as dangerous for transport.	ADR/RID	IMDG	IATA
14.1	UN number	None assigned.	None assigned.	None assigned.
14.2	Proper Shipping Name	None assigned.	None assigned.	None assigned.
14.3	Transport hazard class(es)	None assigned.	None assigned.	None assigned.
14.4	Packing group	None assigned.	None assigned.	None assigned.
14.5	Environmental hazards	Not classified as a Marine Pollutant.		
14.6	Special precautions for user	See Section: 2		
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.		
14.8	Additional Information	None		

15. SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	
	Authorisations and/or Restrictions On Use	None.
15.1.2	National regulations	None known.
15.2	Chemical Safety Assessment	Not available.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

References: Safety Data Sheets for ingoing ingredients. Existing ECHA registration(s) for Tributyl Phosphate (CAS No. 126-73-8).

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	PBT: Persistent, Bioaccumulative and Toxic
vPvB	vPvT: very Persistent and very Toxic

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OECD	Organisation for Economic Cooperation and Development
SCL	Specific Concentration Limit
Xi	Irritant
Xn	Harmful

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

Not available.