

BRAKE FLUID DOT 4

5015

Supplier

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1. Identification of the product and the company

Identification of the product : Liquid.
Use : Automobile industry
Company identification : See distributor.

2. Information on ingredients

This product is not considered to be hazardous but contains hazardous components.

Substance name	Value(s)	CAS nr	EINECS nr	EC index	CERTIFICATE
2-(2-methoxyethoxy)ethanol	: to 4 %	111-77-3	203-906-6	603-107-00-6	
2-(2-butoxyethoxy)ethanol	: < 1.5 %	112-34-5	203-961-6	603-096-00-8	Xi; R36
Polyethylene Glycol	: to 20 %	25322-68-3	----	----	
Methylglycoether borated ester	: 25 to 50 %	93165-89-0	----	----	
Pentaethylene glycol monobutylether	: to 5 %	1786-94-3	----	----	
triethylene glycol monobutyl ether	: < 18 %	143-22-6	205-592-6	603-183-00-0	Xi; R41
tetraethylene glycol monobutyl ether	: to 10 %	1559-34-8	----	----	
tetraethylene glycol monomethyl ether	: to 15 %	23783-42-8	----	----	
triethylene glycol monomethyl ether	: 5 to 20 %	112-35-6	----	----	

3. Hazards identification

Symptoms relating to use

- Inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
- Skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use.
- Eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
- Ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

4. First aid measures

- Skin contact : Rinse immediately with plenty of water.
- Eye contact : Rinse immediately with plenty of water.
Seek medical advice.
- Ingestion : Seek medical attention immediately.
- General information : Remove immediately contaminated clothing.

5. Fire - fighting measures

Extinguishing media : Powder.
Alcohol resistant foam.
Carbon dioxide.
Water spray.

Special exposure hazards : Under fire conditions, hazardous fumes will be present. : CO, NOx

Special procedures : Self-contained breathing apparatus when in close proximity to fire.

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6. Accidental release measures

- Personal precautions : Good ventilation of the workplace required.
Wear recommended personal protective equipment.
- Environmental precautions : Prevent entry to sewers and public waters.

7. Handling and storage

- Storage : Store in dry, cool area.
- Storage - away from : Flammable materials.
- Handling : No special requirements.

8. Exposure controls / personal protection

- Personal protection : Avoid all unnecessary exposure.
- Hand protection : Use rubber gloves.
- Eye protection : Safety glasses.

9. Physical and chemical properties

- Physical state : Liquid.
- Colour : Yellow.
- Odour : Typical
- pH value : 7.5 - 9
- Pour point [°C] : <-70
- Initial boiling point [°C] : >260
- Density [g/dm³] : 1055 - 1075
- Vapour pressure [bar] : > 0.001
- Viscosity [mm²/s] : 15 - 17.5
- Solubility in water : Good.
- Flash point [°C] : >130
- Auto-ignition temperature [°C] : >200
- Explosion limits - lower [%] : 1,5
- Log P octanol / water at 20°C : /

10. Stability and reactivity

- Hazardous reactions : None under normal conditions.

11. Toxicological information

- Rat oral LD50 [mg/kg] : No data available.

12. Ecological information

- LC50-96 Hour - fish [mg/l] : 250 - 350
- COD : 1.805 mg/g
- Biodegradation [%] : 90

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13. Disposal considerations

Disposal : Dispose in a safe manner in accordance with local/national regulations.

14. Transport information

General information : Not regulated.

15. Regulatory information

Symbol(s) : None.

R Phrase(s) : None.

* S Phrase(s) : S02 - Keep out of the reach of children.
S37 - Wear suitable gloves.
S46 - If swallowed seek medical advice immediately and show this container or label.

16. Other information

Text of R-Phrases in § 2 : R36 - Irritating to eyes.
R41 - Risk of serious damage to eyes.
R63 - Possible risk of harm to the unborn child.

Further information : Revision - See : *

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