

Safety Data Sheet 1907/2006/EC - GB

Revision: 04.02.2009

Publication No.
XRB236B(EN)

1 Identification of the substance / preparation and of the company

Product: DOT 4

Registration number: not applicable

Use: Brake Fluid

Identified use: none

Method of operation: See product information.

Company: TRW KFZ Ausrüstung GmbH
Rudolf-Diesel-Str. 7
56566 Neuwied / GERMANY

Phone: (+49) 02631-912 0

Fax: (+49) 02631-912 110

Emergency phone: +49 (0) 89-19240 (24h)

Responsible: Haensler@chemiebuero.de

2 Hazards identification

Physico-chemical hazards: See chapter 10.

Human health dangers: Frequent persistent contact with the skin can cause skin irritation.
If swallowed or in the event of vomiting, risk of product entering the lungs.
See R-phrases.

Environmental hazards: See chapter 12.

Other hazards: No particular hazards known.

Hazard symbols:



Irritant

R-phrases: R 36: Irritating to eyes.

3 Composition / Information on ingredients

2,2'-Oxydiethanol	1 - < 5%
Xn, R22 CAS: 111-46-6, EINECS/ELINCS: 203-872-2, EU-INDEX: 603-140-00-6, ECBnr:	
2,2'-(Ethylendioxy)diethanole	1 - < 5%
CAS: 112-27-6, EINECS/ELINCS: 203-953-2, EU-INDEX: , ECBnr:	
2-(2-Butoxyethoxy)ethanol	1 - < 5%
Xi, R36 CAS: 112-34-5, EINECS/ELINCS: 203-961-6, EU-INDEX: 603-096-00-8, ECBnr:	
2-(2-(2-Butoxyethoxy)ethoxy)ethanol	20 - < 40%
Xi, R41 CAS: 143-22-6, EINECS/ELINCS: 205-592-6, EU-INDEX: 603-183-00-0, ECBnr:	

Comment on component parts: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

General information: Change soaked clothing.

Inhalation: Ensure supply of fresh air.
In the event of symptoms seek for medical treatment.

Skin contact: When in contact with the skin, clean with soap and water.
Consult a doctor if skin irritation persists.

Eye contact: In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

Ingestion: Supply with medical care.
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.

Advice to doctor: If swallowed or in the event of vomiting, risk of product entering the lungs.

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5 Fire-fighting measures

Suitable extinguishing media: Foam, dry powder, water spray jet, carbon dioxide.

Extinguishing media that must not be used:

Full water jet.

Special exposure hazards arising from the substance or preparation itself or combustion products:

Unknown risk of formation of toxic pyrolysis products.

Special protective equipment for firefighters:

Do not inhale explosion and/or combustion gases.

Use self-contained breathing apparatus.

Additional information:

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

6 Accidental release measures

Personal precautions:

Keep away from all sources of ignition.

High risk of slipping due to leakage/spillage of product.

Environmental precautions:

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up:

Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).

Dispose of absorbed material in accordance within the regulations.

7 Handling and storage

Advice on safe handling:

Use only in well-ventilated areas.

Avoid spilling or spraying in enclosed areas.

Users are referred to the Specification SAE J1707 "Service Maintenance of Brake Fluids".

Advice on protection against fire and explosion:

Keep away from all sources of ignition.

Requirements for storage rooms and vessels:

Prevent penetration into the ground.

Keep only in original container.

Advice on storage compatibility:

Do not store together with oxidizing agents.

Further information on storage conditions:

Keep container tightly closed.

Keep container in a well-ventilated place.

Store in a dry place.

8 Exposure controls / personal protection

Additional advice on system design:

Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored:

2-2'-Oxydiethanol, 23ppm*, 101mg/m ³ *	1 - < 5%
2-(2-Butoxyethoxy)ethanol, 10ppm*, 67,5mg/m ³ *, General remarks: EU	1 - < 5%

* WEL: Workplace exposure limit

Respiratory protection:

Breathing apparatus in the event of high concentrations.

Short term: filter apparatus, filter A.

Hand protection:

Butyl rubber, > 120 min (EN 374).

Eye protection:

Safety glasses.

Skin protection:

not applicable

General protective measures:

Avoid contact with eyes and skin.

Do not inhale gases/vapours/aerosols.

Hygiene measures:

Do not eat, drink, smoke or take drugs at work.

Wash hands before breaks and after work.

Use barrier skin cream.

Delimitation and monitoring of the environmental exposition:

not determined

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