

Material Safety Data Sheet

according to Regulation (EC) 1907/2006

Product name : BRAKE FLUID DOT 3 # 5011
Revision : 28.06.2007 Version : 7.0.0
Print date : 20-03-2008

01. Identification of the substance/preparation and of the company/undertaking

Product name

BRAKE FLUID DOT 3 # 5011

Manufacturer/Supplier

A.B.S. All Brake Systems b.v.

Street/P.O.Box

Tinbergenlaan 7

Country code/Postal code/Town/City

3401 MT IJsselstein

Telephone / Telefax

+31 30 68 61 200 / +31 30 68 61 232

Contact

Rini de Boer (rbo@abs-bv.nl)

Emergency information

+31 30 68 61 200 (only at office hours 8:30 - 17:00)

02. Hazards identification

According to our data the product is not dangerous with respect to the German chemical law and the meaning of directiv. 67/548/EEC .

Hazard designation

-

03. Composition/information on ingredients

Hazardous components

BUTYL POLYGLYCOLE ; CAS-No. : 9004-77-7

Percentage : 20 - 25 %

Classification : Xi ; R 36

2,2` -OXYBISETHANOL ; EC-No. : 203-872-2; CAS-No. : 111-46-6

Percentage : 10 - 25 %

Classification : Xn ; R 22

2-(2-METHOXYETHOXY)ETHANOL ; EC-No. : 203-906-6; CAS-No. : 111-77-3

Percentage : 2,5 - 5 %

Classification : Repr. Cat.3 ; R 63

For the wording of the listed risk phrases refer to section 16.

04. First-aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. For further information refer to "specifications about toxicology".

After inhalation

Let in fresh air.

After skin contact

Immediately remove all contaminated clothing. Wash away with soap and water and rinse.

After eye contact

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Drink plenty of water. Call a physician. Keep at rest.

05. Fire-fighting measures

Suitable extinguishing media

Alcohol resistant foam, CO₂, powders, water spray.

Unsuitable extinguishing media

Waterjet.

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

In case of fire do not breathe fumes

Special protective equipment

Appropriate breathing apparatus may be required.

Additional information

Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

06. Accidental release measures

Personal precautions

Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

Methods for cleaning up/collecting

Remove mechanically, take-up residues with absorbing material. Wash away.

07. Handling and storage

Information for safe handling

Avoid contact with skin and eyes. Do not eat or drink during work - no smoking.
Comply with the health and safety at work laws.

Requirements to be met by storerooms and containers

Containers should be kept dry and sealed.

Information about separation of incompatible products

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.

Storage class (VCI) : 10

08. Exposure controls/personal protection

Additional information about engineering measures

No particular measures required.

Components with critical values that require monitoring at the workplace (exposure limits)

2,2` -OXYBISETHANOL ; CAS-No. : 111-46-6

Specification : TRGS 900 - maximum limit in the atmosphere at the workplace (D)
Value : 10 ppm / 44 mg/m³
Category : 4(I)
Remarks : Y
Version date : 01-04-2007

Personal protective equipment

Respiratory protection

None, but avoid breathing vapours if possible.

Hand protection

Use protective gloves.

Eye protection

Use safety glasses.

09. Physical and chemical properties

Relevant safety data

Physical state :		liquid
Odour :		Characteristic.
Colour :		Yellow.
Boiling point / range : (1013 hPa)	>	245 °C
Flash point :	>	110 °C
Density : (20 °C)	ca.	1,035 g/cm ³
Solubility in water : (20 °C)		100 % b.w.
Viscosity : (20 °C)		15 - 18 mPa.s

10. Stability and reactivity

Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

Materials to avoid

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

Occurs only when boiling point is reached.

11. Toxicological information

There are no data available on the preparation itself. The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC). This product is unlikely to harm health, given normal and proper handling and hygienic precautions.

12. Ecological information

Do not empty the product into drains and waters without primary treatment and do not store on public depositories.

13. Disposal considerations

In accordance with local official regulations.

14. Transport information

Land transport ADR/RID

Classification

Not subject to ADR/RID.

Class : -

Maritime transport IMDG/GGVSea

Classification

Not subject to IMDG code.

IMDG-Code : -

Air transport ICAO-TI and IATA-DGR

Classification

Not subject to IATA regulations.

Class : -

Additional transport information

None.

15. Regulatory information

According to our data the product is not dangerous with respect to the German chemical law and the meaning of directiv. 67/548/EEC .

National regulatory information

Emission control act ("TA-Luft")

Sum organic substances class I : < 5 %

Water pollution classification

Class : 1 according VwVwS

16. Other information

The details in this material safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user's working conditions however. The user is responsible for the observance of all required statutory provisions.

Further information

Relevant changes

03. Hazardous components

R-Phrases of components

22	Harmful if swallowed.
36	Irritating to eyes.
63	Possible risk of harm to the unborn child.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
