

SAFETY DATA SHEET

XPS® Kart Tec Brake Fluid DOT4 250 ml

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : XPS® Kart Tec Brake Fluid DOT4 250 ml
Article Numbers : 25475
Supplier : Petromark Automotive Chemicals BV
Lijndenweg 25a
P.O.Box 294
1940 AG Beverwijk
The Netherlands
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization

A mixture containing polyethylene glycol ethers, boric acid esters and amines with additives and stabilizers

Hazardous ingredients

Diethylene glycol
Concentration : < 10 %
CAS number : 111-46-6
EINECS number : 203-872-2
Hazard symbols Xn
R phrases 22

Butyl polyglycol
Concentration : < 20 %
CAS number : 9004-77-7
Hazard symbols Xi
R phrases 36

Triethylene glycol dimethyl ether
Concentration : < 5 %
CAS number : 112-49-2
EINECS number : 203-977-3
Hazard symbols Xn
R phrases 62 63

1,1'-Iminodipropan-2-ol
Concentration : < 5 %
CAS number : 110-97-4
EINECS number : 203-820-9
Hazard symbols Xi
R phrases 36

3. HAZARD IDENTIFICATION

The preparation described in this Safety Data Sheet is not classified as dangerous but does contain at least one dangerous component according to Article 14, paragraph 2.1b of the EU Dangerous Preparations Directive 1999/45/EEC

4. FIRST-AID MEASURES

General information

Remove soiled or soaked clothing immediately

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After inhalation

When inhaled remove to fresh air and seek medical aid.

After contact with skin

In case of contact with skin wash off immediately with plenty of water

After contact with eyes

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

After ingestion

Summon a doctor immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

water spray jet
dry powder
alcohol-resistant foam
carbon dioxide

Special hazards from the substance itself, its combustion products or from its vapours

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO), Nitrous gases (NO_x)

Special protective equipment for firefighting

Use self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation.
Wear suitable personal protective equipment.

Environmental precautions

Do not allow to enter drains or waterways

Methods for cleaning up/taking up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust). Dispose of as prescribed

7. HANDLING AND STORAGE

Advice on safe handling

No special measures necessary if stored and handled as prescribed.

Advice on protection against fire and explosion

Keep away from combustible materials

Further information on storage conditions

Keep container tightly closed and dry

8. EXPOSURE CONTROL / PERSONAL PROTECTION

General protective measures

Avoid contact with eyes and skin
Do not inhale vapours

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Hygiene measures

Keep away from foodstuffs and beverages.
Use barrier skin cream.

Respiratory protection : Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure Full mask to standard DIN EN 136. Filter A (organic gases and vapours) to standard DIN EN 141. The use of filter apparatus presupposes that the environment atmosphere contains at least 17% oxygen by volume, and does not exceed the maximum gas concentration, usually 0.5% by volume. Relevant guidelines to be considered include EN 136/141/143/371/372 as well as other national regulations.

Hand protection :

For long-term exposure: Butyl rubber gloves. Minimum breakthrough time / gloves : 480 min. Minimum thickness / gloves 0,7 mm.

For short-term exposure (splash protection): Nitrile rubber gloves. Minimum breakthrough time / gloves : 30 in Minimum thickness / gloves 0,4 mm

These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.

9. PHYSICAL AND CHEMICAL PROPERTIES
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Form	: Liquid	
Colour	: yellow	
Odour	: characteristic	
Solidifying Point	: < -70 °C	Method : DIN 51583
Boiling temperature	: > 260 °C (1.013 mbar)	Method : FMVSS 116
Flash point	: > 130 °C	Method : ISO 2592 (open cup)
Ignition temperature	: > 200 °C	Method : DIN 51794
Oxidizing properties	: Not applicable	
Self-ignition temperature	: not self-igniting	
Lower explosion limit	: 1,5 %(V)	
Upper explosion limit	: not determined	
Evaporation rate	: not determined	
Vapour pressure	: < 1 mbar (20 °C)	
Density	: 1,055 - 1,075 g/cm ³ (20 °C)	Method : DIN 51757
Bulk density	: Not applicable	
Vapour density in relation to air	: not determined	
Solubility in water	: (20 °C) soluble	
Soluble in ...	: fat not determined	
pH value	: 7,5 - 9 (20 °C)	Method : FMVSS 116
Octanol/water partition coefficient (log Pow)	: Not applicable	
Viscosity (kinematic)	: 15 - 17,5 mm ² /s (20 °C)	Method : FMVSS 116
Combustion number	: Not applicable	
Further information	: The product is hygroscopic.	

10. STABILITY AND REACTIVITY

Thermal decomposition : approx. 360 °C

Hazardous reactions

No hazardous reactions when stored and handled according to prescribed instructions.

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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : not determined
Acute inhalation toxicity : not determined
Acute dermal toxicity : not determined
Irritant effect on skin : not determined
Irritant effect on eyes : not determined
Sensitization : not determined
Mutagenicity : not determined

Remarks

The product was classified on the basis of the calculation procedure of the Dangerous Preparations Directive (1999/45/EC).

12. ECOLOGICAL INFORMATION

Biodegradability : 90 % (15 d)
good degradability
Method : static test

Fish toxicity : LC50 250 - 350 mg/l (96 h, golden orfe)
Method : DIN 38412 T.15

Bacteria toxicity : EC50 6,25 mg/l

Dissolved Organic carbon (DOC) : 490 mg/g

Chemical oxygen demand (COD) : 1.805 mg/g

13. DISPOSAL CONSIDERATIONS

Product

In accordance with regulations for special waste, must be taken to an authorised special waste incineration plant.

14. TRANSPORT INFORMATION

ADR not restricted
ADNR not restricted
RID not restricted
IATA not restricted
IMDG not restricted

15. REGULATORY INFORMATION

Labelling in accordance with EC-Directives

The product does not require a hazard warning label in accordance with EC Directives
Classification according to the calculation procedure of the Dangerous Preparations Directive (1999/45/EC).

Special labelling for certain preparations

Safety Data Sheet available for professional user on request.

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National regulations**Other regulations**

MATC: not fixed.

16. OTHER INFORMATION

Uses and Restrictions : Automotive, transport products. Brake Fluids.
Moisture has an adverse effect on the performance properties of brake fluid. Brake fluids and components absorb moisture from air; store in sealed containers (for bulk storage see Section 7)

The information contained in the Safety data sheet is correct to the best of our Knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

Text of the R-phrases which are allocated to the ingredients/components mentioned in section 2 of this Safety Data Sheet.

22 Harmful if swallowed.

36 Irritating to eyes.

62 Possible risk of impaired fertility.

63 Possible risk of harm to the unborn child.

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