
SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Product Name: BRAKE & CLUTCH FLUID DOT 4
- UFI:
- Product Part Number: A3A

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Hydraulic fluid

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Pennine Lubricants Ltd
- Address of Supplier: 32 Atlas Way,
Sheffield
S4 7QQ
- Telephone: 0114 285 2987
- Responsible Person: Admin@penninelubricants.co.uk
- Email: Admin@penninelubricants.co.uk

1.4 Emergency telephone number

- Emergency Telephone: 0114 285 2987 (9am -5pm)
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SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

- CLP: Lact., Eye Irrit. 2, Repr. 2

2.2 Label elements**GHS08****GHS07**

- Signal Word: Warning

2.2.1 Hazard statements

- H361 - Suspected of damaging fertility or the unborn child.
- H362 - May cause harm to breast-fed children.
- H319 - Causes serious eye irritation.

2.2.2 Precautionary statements

- P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

SECTION 2: Hazards identification (....)

contact lenses, if present and easy to do. Continue rinsing.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P281 - Use personal protective equipment as required.
P263 - Avoid contact during pregnancy and while nursing.
P201 - Obtain special instructions before use.
P264 - Wash hands thoroughly after handling.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P270 - Do not eat, drink or smoke when using this product.
P405 - Store locked up.
P202 - Do not handle until all safety precautions have been read and understood.

2.3 Other hazards

SECTION 3: Composition/information on ingredients**3.2 Mixtures****3.2.1 Butyl Triglycol**

CAS Number: 143-22-6
EC Number: 205-592-6
Concentration: 25-40%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Eye Irrit. 2
REACH Registration Number: 603-183-00-0
Symbols: GHS07
H Statements: H319

3.2.2 Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate

CAS Number: 30989-05-0
EC Number: 250-418-4
Concentration: 15 - 25%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Repr. 2
Symbols: GHS08
H Statements: H361

3.2.3 2,2' -oxybisethanol; diethylene glycol

CAS Number: 111-46-6
EC Number: 203-872-2
Concentration: 8 - 15%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Acute Tox. 4, STOT RE 2

SECTION 3: Composition/information on ingredients (....)

REACH Registration Number: 01-2119457857-21-0000

Symbols: GHS08

H Statements: H302;H373

3.2.4 3,6,9,12-tetraoxahexadecan-1-ol

CAS Number: 1559-34-8

EC Number: 216-322-1

Concentration: 5 - 10%

Specific Concentration Limits:

M factor:

Acute toxicity estimate:

Categories: Eye Irrit. 2

Symbols: GHS07

H Statements: H319

3.2.5 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether

CAS Number: 112-34-5

EC Number: 203-961-6

Concentration: 1-3%

Specific Concentration Limits:

M factor:

Acute toxicity estimate:

Categories: Eye Irrit. 2

REACH Registration Number: 01-2119475104-44-0000

Symbols: GHS07

H Statements: H319

SECTION 4: First aid measures

4.1 Description of first aid measures

4.1.1 Contact with eyes

If substance has got into eyes, immediately wash out with plenty of water
If eye irritation persists: Get medical advice/attention.

4.1.2 Contact with skin

Wash affected area with plenty of soap and water

4.1.3 Ingestion

Do not induce vomiting
Rinse mouth with water (do not swallow)

4.1.4 Inhalation

Remove patient to fresh air

4.2 Most important symptoms and effects, both acute and delayed

4.2.1 Contact with eyes

May cause irritation

SECTION 4: First aid measures (....)

4.2.2 Contact with skin

Possible irritation of affected areas

4.2.3 Ingestion

The ingestion of significant quantities may cause nausea/vomiting

4.2.4 Inhalation

May cause coughing

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

- In case of fire use foam, carbon dioxide or dry agent - never use water

5.2 Special hazards arising from the substance or mixture

- See Section 8

5.3 Advice for firefighters

- See Section 8
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Spillage causes slippery surface

6.2 Environmental precautions

- Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up

6.4 Reference to other sections

- See Section
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Dispose of contents/container to an authorised waste collection point

7.2 Conditions for safe storage, including any incompatibilities

- Store locked up.

7.3 Specific end use(s)

- See Section 8
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

SECTION 8: Exposure controls/personal protection (....)



Gloves



Goggles

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: Liquid
- Colour: Amber
- Odour: Perceptible odour
- Melting point/Range:
- Boiling Point/Range: >210
- Flammability:
- pH: 7 - 10.5
- Solubility in water: Completely soluble in water
- Density: 1.04 g/cm³ at 15 °C
- Flashpoint: >93°C

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- Incompatible with acids and alkalis

10.4 Conditions to avoid

- Avoid contact with alkalis (strong bases)
- Avoid contact with acid
- Keep away from heat and sources of ignition

10.5 Incompatible materials

- Incompatible with strong oxidizing substances

10.6 Hazardous decomposition products

- Decomposition products may include carbon oxides
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SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

11.1.1 Acute toxicity

Estimated LD₅₀ (oral) (ATE) : 6250 mg/kg

SECTION 11: Toxicological information (....)

Estimated LD₅₀ (dermal) (ATE) : >4000 mg/kg

Estimated LD₅₀ (inhalational) (ATE) : >20 mg/l/4hr (gas/vapour)

11.1.2 Skin corrosion/irritation

Not classified

11.1.3 Serious eye damage/irritation

Causes severe irritation

11.1.4 Respiratory or skin sensitisation

Not classified

11.1.5 Germ cell mutagenicity

Not classified

11.1.6 Carcinogenicity

Not classified

11.1.7 Reproductive toxicity

May damage fertility. May damage the unborn child.

11.1.8 STOT (specific target organ toxicity) - single exposure

11.1.9 STOT (specific target organ toxicity) - repeated exposure

Not classified

11.1.10 Aspiration hazard

11.2 Information on other hazards

SECTION 12: Ecological information

12.1 Toxicity

- No information available

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- Insoluble in water
- miscible with water

12.5 Results of PBT and vPvB assessment

12.6 Endocrine disrupting properties

- Not classified

12.7 Other adverse effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
 - For industrial use only
 - Dispose of contents/container to an authorised waste collection point
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SECTION 14: Transport information

14.1 UN number or ID number

- UN No.:

14.2 UN proper shipping name

- Proper Shipping Name:

14.3 Transport hazard class(es)

- Hazard Class:

14.4 Packing group

- Packing Group:

14.5 Environmental hazards

14.6 Special precautions for user

14.7 Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Water Hazard Class (Company): 1

15.1.1 Butyl Triglycol

Water Hazard Class (Official): Not hazardous

15.1.2 Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate

Water Hazard Class (Official): Not hazardous

15.1.3 2,2' -oxybisethanol; diethylene glycol

Water Hazard Class (Official): 1

15.1.4 3,6,9,12-tetraoxahexadecan-1-ol

Water Hazard Class (Official): Not hazardous

15.1.5 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether

Water Hazard Class (Official): 1

15.2 Chemical safety assessment

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:-

H302: Harmful if swallowed. H319: Causes serious eye irritation. H361: Suspected of damaging fertility or the unborn child. H373: May cause damage to organs through prolonged or repeated exposure.

--- end of safety datasheet ---
