

# SAFETY DATA SHEET

# Brakefit BrakeFluid DOT4: Grades with Boiling Points < 260°C

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

# **1.1.** Product identifier Trade name

Brakefit Brake Fluid DOT4:Grades with Boiling Points < 260°C

Product no. BBF500 – 500ML BBF1 – 1 Litre BBF5 – 5 Litre

# **1.2.** Relevantidentified uses of the substance or mixture and uses advised against Relevant identified uses of

the substance or mixture Hydraulic fluid Relevant identified uses of the substance or mixture (REACH) No special Uses advised against No special

**1.3.** Details of the supplier of the safety data sheet Company and

address Brakefit Unit G2 Titan Road, Patchway Bristol BS34 6FD

Technical Helpline - +44 (0) 117 428 8090

Date: 13.11.20 SDS Version 3.0 Dateofpreviousversion 2020-07-08(2.0)

#### **1.4.** Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

# **SECTION 2: Hazards identification**

## ▼2.1. Classification of the substance ormixture

Eye Irrit. 2; H319, Causes serious eye irritation.

Repr.2;H361d,Suspectedofdamaging the unborn child.

 $\label{eq:classification} Classification may be based on test results obtained on the final product rather than calculation$ 

# **2.2.** Label elements Hazard pictogram(s)

Brakefit Brake Fluid DOT 4: Grades with Boiling Points <260°C



| $\wedge \wedge$   |
|---|
|   |
| Signal word   |
| Warning   |
| ▼Hazard statement(s)  |
| Causes serious eye irritation.  |
| Suspected of damaging the unborn child.   |
| Safety statement(s)   |
| General   |
| P101, If medical advice is needed, have product container or label at hand. P102, Keep out of reach of children.  |
| Prevention  |
| P264, Wash hands/exposed areas thoroughly after handling.   |
| Response<br>P301+P310, IF SWALLOWED: Immediately call a POISON CENTER/doctor. P337+P313, If eye irritation<br>persists: Get medical advice/attention.<br>P305+P351+P338, IFIN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing |
| Storage   |
| -<br>Dispesal   |
| Disposal  |
| P501, Dispose of contents/container to an approved waste disposal plant.<br>▼ Hazardous substances  |
|   |
| Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate<br><b>2.3.</b> Other hazards   |
| Additional labelling  |
| Not applicable  |
| Additional warnings   |
| This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.   |
| Product is not classified as combustible but will burn.   |
| SECTION 3: Composition/information on ingredients   |
| ▼ 3.2 Mixtures  |

| Product/Ingredient name | Identifiers                          | %w/w     | Classification                  | Note |
|-------------------------|--------------------------------------|----------|---------------------------------|------|
| ButylTriglycol          | CASNo.:143-22-6 EC                   | 20-29.9% | Eye Dam. 1, H318 (SCL: 30.00 %) |      |
|                         | No.:205-592-6                        |          |                                 |      |
|                         | REACH No.: 01-<br>2119475107-38-XXXX |          |                                 |      |
|                         | IndexNo.:603-183-00-                 |          |                                 |      |
|                         | 0                                    |          |                                 |      |
| 2,2' -oxybisethanol;    |                                      | 15-24%   | Acute Tox. 4,H302               |      |
| 2,2 -0xybisethanoi,     | CAS No.: 111-46-6                    | 13-2470  | Acute 104. 4,11302              |      |
|                         | EC No.: 203-872-2                    |          |                                 |      |
|                         | REACH No.: 01-                       |          |                                 |      |



|   | IndexNo.:603-140-00-<br>6   |         |                                   |                   |
|---|---|---------|-----------------------------------|-------------------|
| Tris[2-[2-(2-<br>methoxyethoxy)ethoxy]ethyl]<br>orthoborate | CAS No.: 30989-05-0<br>EC No.: 250-418-4<br>REACH No.: 01-<br>2119462824-33-XXXX<br>Index No.:              | 5-20%   | Repr. 2,H361d                     |                   |
| ButylPolyglycol   | CAS No.: 9004-77-7 EC<br>No.:500-012-0<br>REACH No.: 01-<br>2119475115-41-XXXX<br>Index No.:                | 5-10%   | Eye Irrit. 2, H319 (SCL: 20.00 %) |                   |
| 2-(2-butoxyethoxy)ethanol;                                  | CAS No.: 112-34-5<br>EC No.: 203-961-6<br>REACH No.: 01-<br>2119475104-44-XXXX<br>IndexNo.:603-096-00-<br>8 | 0-2.99% | Eyelrrit.2,H319                   | Annex<br>XVII, EU |
| 2-(2-methoxyethoxy)ethanol;                                 | CAS No.: 111-77-3<br>EC No.: 203-906-6<br>REACH No.: 01-<br>2119475100-52-XXXX<br>IndexNo.:603-107-00-<br>6 | 0-2.99% | Repr.2,H361d                      | Annex<br>XVII, EU |

\_ \_ \_

 $See full text of {\sf H-phrases} in section 16. Occupational exposure limits are listed in section 8, if these are available.$ 

#### Other information

EU: European occupational exposure limit

Annex XVII: The chemical substance is subject to REACH restrictions, REACH annex XVII.

# **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures General

# information

 $In the case of accident: Contact a doctor or casual ty department-take the label or this safety data sheet. \ Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.$ 

#### Inhalation

Uponbreathing difficulties or irritation of the respiratory tract: Bring the person into freshair and stay with him/her. If recovery is no trapid, seek medical attention Skin contact

Immediatelyremovecontaminated clothing and shoes. Ensure that skin, which has been exposed to the



material, is washed thoroughly with water and so ap. Skinclean sercan be used. DONOT uses olvents or thinners.

#### Eye contact

Removecontactlenses. Flusheyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Makes use to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

#### Ingestion

Provide plenty of water for the person to drink and stay with him/her. Seek medical advice immediately and bring thesafety datasheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of or choking on vomited material. If medical attention is delayed, give adults 90-120 mlhard liquor such as 40% v/vs pirits. Give children proportionately less at a rate of 2ml/kg body weight.

Burns

#### Not applicable

#### **4.2.** Most important symptoms and effects, both acute and delayed

The most important symptoms are described in sections 2 and 11.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

**4.3.** Indication of any immediate medical attention and special treatment needed IF exposed orconcerned:

#### Get immediate medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

Treat symptomatically. There is no specific antidote. Due to the Diethylene Glycol content, treatment as for Ethylene Glycol poisoning may help.

# **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire. However they may be used to cool adjacent containers.

## 5.2. Special hazards arising from the substance or mixture

Firewill result indenses moke. Exposure to combustion products may harmy our health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters. If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / COD).

# 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contactTheNationalPoisons InformationService(dial111,24hservice)inordertoobtainfurtheradvice.

# **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures Avoid direct contact

#### with spilled substances.

Avoid inhalation of vapours from spilled material.

Preventunnecessarypersonnelenteringareaofspillage.Whencleaninguplargespillsappropriateprotective clothing should be worn -see section 8.

# 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

#### 6.3. Methods and material for containment and cleaning up

 $\label{eq:limitspillage} Limitspillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the$ 



regulations on dangerous waste.

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### **6.4.** Reference to other sections

See section on "Disposal considerations" in regard of handling of waste.

See section on 'Exposure controls/personal protection' for protective measures.

## **SECTION 7: Handling and storage**

#### 7.1. Precautions for safehandling

 $\label{eq:constraint} A void any method of handling that generates mists or a erosols. \ Do note at, drink or smoke when handling this product.$ 

See section on 'Exposure controls/personal protection' for information on personal protection.

#### 7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Storage temperature

Room temperature 15 to 30°C

#### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2 Users are referred to the specification SAE J1707 "Service maintenance of brake fluids".

#### **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

2,2' -oxybisethanol; Longtermexposurelimit(8hours):23ppm Longterm exposurelimit(8hours):101 mg/m<sup>3</sup>

2-(2-butoxyethoxy)ethanol; Longtermexposurelimit(8hours):10ppm Longterm exposurelimit(8hours):67,5 mg/m<sup>3</sup> Shorttermexposurelimit (15minutes):15ppm Short term exposure limit (15 minutes): 101,2 mg/m<sup>3</sup>

2-(2-methoxyethoxy)ethanol; Longtermexposurelimit(8hours):10ppm Longtermexposure limit(8hours):50,1mg/m<sup>3</sup> Annotations: Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits

#### DNEL

(Fourth Edition 2020)

| Product/Ingredient name | DNEL           | Routeofexposure | Duration                             |
|-------------------------|----------------|-----------------|--------------------------------------|
| ButylTriglycol          | 50mg/kgBW/day  | Dermal          | Longterm–Systemic<br>effects-Workers |
| ButylTriglycol          | 195mg/m3       | Inhalation      | Longterm–Systemic<br>effects-Workers |
| 2,2'-oxybisethanol;     | 106mg/kgBW/Day | Dermal          | Longterm-Systemic                    |



Continuous

Single

# According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2015/830

|   |                 |                      | effects - Workers                      |
|---|-----------------|----------------------|--|
| 2,2'-oxybisethanol;   | 60mg/m3         | Inhalation           | Longterm–Systemic<br>effects - Workers |
| Tris[2-[2-(2-<br>methoxyethoxy)ethoxy]ethyl]<br>orthoborate | 8.3 mg/kgBW/day | Dermal               | Longterm–Systemic<br>effects-Workers   |
| Tris[2-[2-(2-<br>methoxyethoxy)ethoxy]ethyl]<br>orthoborate | 29.1mg/m3       | Inhalation           | Longterm–Systemic<br>effects-Workers   |
| 2-(2-butoxyethoxy)ethanol;                                  | 20mg/kgBW/day   | Dermal               | Longterm-Systemic<br>effects - Workers |
| 2-(2-butoxyethoxy)ethanol;                                  | 67mg/m3         | Inhalation           | Longterm–Systemic<br>effects - Workers |
| 2-(2-methoxyethoxy)ethanol;                                 | 0.53mg/kgBW/day | Dermal               | Longterm–Systemic<br>effects - Workers |
| 2-(2-methoxyethoxy)ethanol;                                 | 50.1mg/m3       | Inhalation           | Longterm–Systemic<br>effects - Workers |
| Product/Ingredient name                                     | PNEC            | Routeofexposure      | Duration of Exposure Butyl             |
| Triglycol   | 5mg/L           | Water                | Single                                 |
| ButylTriglycol  | 200mg/L         | SewageTreatmentPlant | Continuous                             |
| 2,2'-oxybisethanol;   | 10mg/L          | Water                | Single                                 |
|   |                 |                      |  |

SewageTreatmentPlant

Water

| Tris[2-[2-(2-methoxvethoxv)ethoxv]ethvl] orthoborate |           |                      |                 |  |  |
|--|-----------|----------------------|-----------------|--|--|
|  | 100mg/l   | SewageTreatmentPlant | Continuous      |  |  |
| 2-(2-butoxyethoxy)ethanol;                           | 3.9mg/L   | Water                | Single          |  |  |
| 2-(2-butoxyethoxy)ethanol;                           | 200mg/L   | SewageTreatmentPlant | Continuous 2-   |  |  |
| (2-methoxyethoxy)ethanol;                            | 12mg/L    | Water                | Single          |  |  |
| 2-(2-methoxyethoxy)ethanol;                          | 10000mg/L | SewageTreatmentPlant | Nodataavailable |  |  |
|  |           |                      |                 |  |  |

199.5mg/L

# 8.2. Exposure controls

PNEC

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

# General recommendations

2,2'-oxybisethanol;

Donoteat, drinkorsmokeinthe workplace Exposure

# scenarios

There are no exposure scenarios implemented for this product.

Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate 2.112mg/l

# **Exposure limits**

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above. Appropriate technical measures

Airbornevapour and mist concentrations must be kept at a minimum and below current limit values (see above). Installation of a Local exhaust system if normal airflow in the work room is not sufficient is recommended.

Ensure emergency eyewash and -showers are clearly marked.



# Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep spill absorbent materials available in the workplace. If possible, clean up any spills immediately. Individual protection measures, such as personal protective equipment Generally

Use only CE marked protective equipment.

Respiratory Equipment

No specific requirements Skin

protection

No specific requirements Hand

protection

| Worksituation | Material | Glove thickness (mm)       | Breakthrough time (min.) | Standards               |                   |
|---------------|----------|----------------------------|--------------------------|-------------------------|-------------------|
|               | Butyl    | 0.3                        | > 480                    | EN374-2, EN374-3, EN388 | Cuton Contraction |
|               | Nitrile  | 0.2                        | > 480                    | EN374-2, EN374-3, EN388 | THE REAL          |
| ye protection |          |                            |                          |                         |                   |
| Worksituation | Recommer | nded                       |                          | Standards               |                   |
|               | Wearsafe | tyglasses with side shield | S.                       | EN166                   | •                 |

# **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties Form Liquid Colour Amber Odour Mild Odour threshold (ppm) Testing not relevant or not possible due to nature of the product. pН 7-10.5 Density (g/cm<sup>3</sup>) 1.01-1.06 Viscosity 5-10 centistokes (20.00 °C) Phase changes Melting point (°C) < -50 Boiling point (°C) >210 °C Vapour pressure 1.00 millibar



Vapour density

Testing not relevant or not possible due to nature of the product. Decomposition temperature (°C) 300 Evaporation rate (n-butylacetate = 100) 0.01 Dataonfireandexplosionhazards Flash point (°C) >100 °C Ignition (°C) >280 °C Auto flammability (°C) Testing not relevant or not possible due to nature of the product. Explosion limits (% v/v) Testing not relevant or not possible due to nature of the product. **Explosive properties** Testing not relevant or not possible due to nature of the product. **Oxidizing properties** Testing not relevant or not possible due to nature of the product. Solubility Solubility in water Soluble n-octanol/water coefficient 1.50 Solubility in fat (g/L) Testing not relevant or not possible due to nature of the product.

9.2. Other information

# **SECTION 10: Stability and reactivity**

▼ 10.1. Reactivity

No hazardous reactions if stored and handled as indicated.

## **10.2.** Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

- 10.3. Possibility of hazardousreactions No special
- **10.4.** Conditions to avoid No
  - special
- **10.5.** Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**10.6.** Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## **SECTION 11: Toxicological information**

# 11.1. Information on toxicological effects Acute toxicity

Based on available data, the classification criteria are not met.

Oral -Based on read across data toxicity is low (LD 50 Rat >5000 mg/kg). Sparse experience indicates toxicity in man could begreater.

Inhalation - Not applicable due to low vapour pressure of product.

Dermal - Based on read across data toxicity is low (LD 50 Rabbit >3000 mg/kg.

General-Although acute toxicity of this product is low, if significant amounts are absorbed there is a risk of renaldamage which could lead tokidney failure or evendeath. Other symptoms of over exposure include Central Nervous System effects, abdominal discomfort, metabolic acidosis and head ache or nausea.



#### Skin corrosion/irritation

Basedonavailabledata, the classification criteria are not met. However, repeated contact may

de-fat the skin and cause dermatitis.

Serious eye damage/irritation Causes

## serious eyeirritation.

# Respiratory or skinsensitisation

Based on available data, the classification criteria are not met.

# Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

#### **Reproductive toxicity**

Suspected of damaging the unborn child.

## STOT-single exposure

Based on available data, the classification criteria are not met.

#### ▼ STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Long term effects

Reproductivetoxicity: Thisproductcontainsteratogenicsubstances, which may produce anomalies and/or developmental defects to the human offspring. Adverse effects include: death, growth retardation, congenital disorders, delayed mental development, and functional disorders. Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

#### Other information No

special

## **SECTION 12: Ecological information**

#### 12.1. Toxicity

Product is of low ecotoxicity Fish 96h LC50 >100mg/l (Oncorhynchus Mykiss) Daphnia48hEC50Notdeterminedbutexpectedtobevirtuallynon-toxic Algae72hEC50Not determinedbutexpectedtobevirtuallynon-toxic

#### 12.2. Persistence and degradability

Productisinherentlybiodegradableandisexpectedtobereadilybiodegradablebasedoningredients(OECD 302B). If admitted into adapted biological water treatment plants no adverse effects of the degrading action of the live sludge are expected

#### 12.3. Bioaccumulative potential

Not expected to Bio-accumulate. Log POW for all main ingredients <2.0

#### **12.4.** Mobility insoil

 $\label{eq:product} Product is soluble in water and will be mobile in soil until degraded. Volatilisation from water to air not expected.$ 

#### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

#### **12.6.** Other adverse effects No

special

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.



Dispose of in accord with local and national regulations. Recycling or controlled incineration with energy recovery are recommended. EWC code

160113\* Brake fluids

# Specificlabelling

Not applicable

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

# **SECTION 14: Transport information**

#### 14.1 - 14.4

Notdangerousgoods according to ADR, IATA and IMDG. ADR/RID

Not applicable

IMDG

Not applicable Not

.

applicable

"MARINE POLLUTANT"

No

- **14.5.** Environmental hazards Not applicable
- **14.6.** Special precautions foruser Not

applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBCCode No data available

# **SECTION 15: Regulatory information**

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

#### ▼ Restrictions for application

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education No

specific requirements

SEVESO - Categories / dangerous substances Not applicable

Additional information Tactile warning.

Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

CouncilDirective92/85/EEContheintroductionofmeasurestoencourageimprovements in the safety and health at work of pregnant workers and workers who have recently given birthorare breast feeding.

Regulation(EC)No1272/2008oftheEuropeanParliamentandoftheCouncil of16December2008on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

Regulation (EC) 1907/2006 (REACH).

**15.2.** Chemical safetyassessment No

# **SECTION 16: Other information**

▼ Full text of H-phrases as mentioned in section 3



H318, Causes serious eye damage. H302, Harmful if swallowed. H361d, Suspected of damaging the unbornchild. H319, Causes serious eye irritation. Abbreviations and acronyms ADN=EuropeanProvisionsconcerningtheInternationalCarriageofDangerousGoodsbyInlandWaterway ADR=TheEuropeanAgreement  $concerning the {\it International Carriage of Dangerous Goods by Road}$ ATE = Acute Toxicity Estimate BCF = **Bioconcentration Factor CAS=Chemical** Abstracts Service CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] CSA = Chemical Safety Assessment CSR = Chemical Safety Report DMEL=DerivedMinimalEffectLevel DNEL= DerivedNoEffectLevel EINECS = European Inventory of Existing Commercial chemical Substances ES = Exposure Scenario EUH statement = CLP-specific Hazard statement EWC = European Waste Catalogue GHS = Globally Harmonized System of Classification and Labelling of Chemicals IARC = International Agency for Research on Cancer (IARC) IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL=InternationalConventionforthePreventionofPollutionFromShips, 1973asmodifiedbytheProtocol of 1978. ("Marpol" = marine pollution) OECD=OrganisationforEconomicCo-operationandDevelopment PBT=Persistent, **Bioaccumulative and Toxic** PNEC = Predicted No Effect Concentration RID=TheRegulationsconcerningtheInternationalCarriageofDangerousGoods byRail RRN = REACH Registration Number SVHC = Substances of Very High Concern STOT-RE = Specific Target Organ Toxicity - Repeated Exposure STOT-SE=Specific TargetOrganToxicity-SingleExposure TWA = Time weighted average UN = United Nations UVCB = Complex hydrocarbon substance VOC = Volatile Organic Compound vPvB = Very Persistent and Very Bioaccumulative Additional information In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on: The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) The classification of the mixture is based on test data. Theinformation contained hereinis based on the present knowledge and experience of Brakefit. It in now ay constitutes the users own assessment of work place risk as required by other Health and Safety legislation. Brakefitdoesnot, by supplying this information, guarantee or warrant any specific properties or gualities of goods supplied. It is the responsibility of the purchasertodetermine whether the goods ordered are fit for any purpose for which they may be required. ThisinformationisprovidedsubjecttoBrakefit'sConditionsofSale, and inparticular Conditions 9 and 14 thereof.

This data sheet is available in other European Languages.



Data sheets for other areas of the Globe may be available on request. Thesafetydatasheetisvalidatedby Steve Jay

Other

Achange(inproportiontothelastessentialchange(firstcipherinSDSversion, seesection 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.