

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 24/11/2015 Revision date: 24/11/2015 Supersedes: Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Article number : 53505
Product code : 53505

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Consumer uses Professional use

Function or use category : Brake fluids

1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

BARDAHL NL - OCD NEDERLAND BV Maxwellstraat 41 3316 GP Dordrecht - Nederland T 0031 78 651 2322 - F 0031 78 617 4848 rjjonker@bardahl.nl - www.bardahl.nl

#### 1.4. Emergency telephone number

Emergency number : +31 (0) 6 2908 2010

During office hours: 8.30 t/m 17:00 h

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 '+353 1 809 2166 (public, 8am - 10pm, 7/7)	

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

## Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

## Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

## 2.3. Other hazards

PBT: not relevant – no registration required vPvB: not relevant – no registration required

## **SECTION 3: Composition/information on ingredients**

### 3.1. Substance

Not applicable

#### 3.2. Mixture

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2,2'-(octylimino)bisethanol	(CAS No) 15520-05-5 (EC no) 239-555-0	< 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318

Full text of H-statements: see section 16

### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures general : Remove/Take off immediately all contaminated clothing.

First-aid measures after inhalation : Allow breathing of fresh air. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Wash skin thoroughly with mild soap and water.

First-aid measures after eye contact : Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek

medical advice.

First-aid measures after ingestion : Obtain emergency medical attention.

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

No additional information available

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Call a POISON CENTER or doctor/physician.

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Powder. Alcohol resistant foam. Water haze.

Unsuitable extinguishing media : Do not use a heavy water stream.

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

Hazardous decomposition products in case of : Carbon monoxide. Nitrogen oxides.

fire

#### 5.3. Advice for firefighters

Protection during firefighting : Use self-contained breathing apparatus. Wear suitable protective clothing.

## **SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear proper protective equipment. See Heading 8.

#### 6.1.1. For non-emergency personnel

No additional information available

## 6.1.2. For emergency responders

No additional information available

## 6.2. Environmental precautions

Prevent entry to sewers and public waters.

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

Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica

gel).

## 6.4. Reference to other sections

See Headings 7 and 8. See Heading 13.

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

## 7.1. Precautions for safe handling

Additional hazards when processed : No special measures required.

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

Storage conditions : Store in dry, cool, well-ventilated area. Keep container tightly closed. Hygroscopic product.

Store at room temperature. No contact with flammable substances.

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

No additional information available

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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Additional information : The product does not contain any relevant quantities of materials with critical values that have

to be monitored at the workplace

8.2. Exposure controls

Personal protective equipment : Protective goggles.

Materials for protective clothing : Wear suitable protective clothing. EN 340

Hand protection : Wear suitable gloves resistant to chemical penetration. Selection of the glove material on

consideration of the penetration times, premeatiegraden and degradation. Wear suitable gloves tested to EN374. neoprene/butyl rubber. Gloves material: Nitrile. Recommended thickness of the material: ≥ 0.35 mm. Penetration time of glove material: ≥ 480 min. Refer to manufacturer's

information

Eye protection : Use eye protection to EN 166, designed to protect against liquid splashes

Skin and body protection : Wear suitable protective clothing. EN 340

Respiratory protection : None under normal use



Other information : The usual precautionary measures are to be adhered to when handling chemicals. Keep away

from food, drink and animal feedingstuffs. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Remove contaminated

clothing immediately. Do not eat, drink or smoke when using this product.

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

## 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : light yellow. Transparent.

Odour : characteristic.
Odour threshold : No data available

pH : 7 - 8 (SAE J 1703, SAE J 1704)

Relative evaporation rate (butylacetate=1) : No data available

Melting point : <-70 °C (DIN 51583)

Freezing point : No data available

Boiling point : > 265 °C (SAE J 1703, SAE J 1704)
Flash point : > 126 °C (ISO 2592, open cup)

Auto-ignition temperature : > 300 °C (DIN 51794)

Decomposition temperature : 360 °C (analogy)

Flammability (solid, gas) : No data available

Vapour pressure : < 0.1 mbar (analogy) 20°C

Relative vapour density at 20 °C : No data available Relative density : No data available

Density : 1.06 - 1.07 g/cm³ (DIN 51757)

Solubility : Soluble in water.

Organic solvent:0.0%

Log Pow : No data available

 $Viscosity, \, kinematic \\ \hspace*{2.5cm} : \hspace*{2.5cm} 11 - 14 \, mm^2/s \, (SAE \, J \, 1703, \, SAE \, J \, 1704)$ 

Viscosity, dynamic : No data available

Explosive properties : Product is not explosive. Not self-igniting.

Oxidising properties : No data available Explosive limits : No data available

9.2. Other information

VOC content : 0 %

Additional information : Material is hygroscopic

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## SECTION 10: Stability and reactivity

#### Reactivity

No additional information available

#### **Chemical stability**

No decomposition if used according to specifications.

#### Possibility of hazardous reactions 10.3.

No dangerous reactions known.

#### **Conditions to avoid** 10.4.

No additional information available

#### Incompatible materials

No additional information available

## **Hazardous decomposition products**

No additional information available

## **SECTION 11: Toxicological information**

## Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : No irritant effect

pH: 7 - 8 (SAE J 1703, SAE J 1704)

: No irritant effect Serious eye damage/irritation

pH: 7 - 8 (SAE J 1703, SAE J 1704)

Respiratory or skin sensitisation : No sensitisation responses were observed

Germ cell mutagenicity : Not classified Carcinogenicity : Not classified : Not classified Reproductive toxicity Specific target organ toxicity (single exposure) : Not classified Specific target organ toxicity (repeated : Not classified

exposure)

Aspiration hazard : Not classified

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11 - 14 mm<sup>2</sup>/s (SAE J 1703, SAE J 1704) Viscosity, kinematic

## **SECTION 12: Ecological information**

#### Toxicity

53505		
LC50 other aquatic organisms 1	> 250 - 350 mg/l (Leuciscus Idus) (DIN 38412 T.15; analogy) 96h	
EC50 other aquatic organisms 1	> 5000 mg/l (Bacteriën) (OECD 2091; analogy)	

#### 12.2. Persistence and degradability

53505	
Persistence and degradability	Readily biodegradable.
Biodegradation	97 % (static; analogy)

### **Bioaccumulative potential**

No additional information available

#### 12.4. Mobility in soil

53505	
Ecology - soil	Prevent entry to sewers and public waters.

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

## 53505

PBT: not relevant - no registration required vPvB: not relevant - no registration required

#### Other adverse effects

No additional information available

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## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

## **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

UN-No. (ADR) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable
UN-No. (ADN) : Not applicable
UN-No. (RID) : Not applicable

## 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

## 14.3. Transport hazard class(es)

#### **ADR**

Transport hazard class(es) (ADR) : Not applicable

#### **IMDG**

Transport hazard class(es) (IMDG) : Not applicable

#### IATA

Transport hazard class(es) (IATA) : Not applicable

### ADN

Transport hazard class(es) (ADN) : Not applicable

#### RID

Transport hazard class(es) (RID) : Not applicable

## 14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No Marine pollutant : No

Other information : No supplementary information available

## 14.6. Special precautions for user

## - Overland transport

No data available

## - Transport by sea

No data available

#### - Air transport

No data available

### - Inland waterway transport

No data available

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#### - Rail transport

No data available

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 0 %

## 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No

## **SECTION 16: Other information**

## Abbreviations and acronyms:

Abbreviations and	acronv	/ms:
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RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

ICAO: International Civil Aviation Organization

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

## Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage

## SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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