



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

1.1. Product identifier

Trade Name: HELLA PAGID Metal-free permanent lubricant for disc brakes

Material number: **8DX 355 370-011** (355.370-011, 95002), Sales quantity: 36 x 75ml.

8DX 355 370-031 (355.370-031, HELLA 355.370-031), Sales quantity: 1.000 x 5,5 ml.

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

Intended use: High temperature grease

1.3 Details of the supplier of the MSDS:

HELLA PAGID GmbH

Lüschershofstr. 80

45356 Essen / Germany

www.hella-pagid.com

Phone: +49 (0) 201 217600 30

E-mail: service@hella-pagid.com

Department issuing data sheet: Productmanagement, Contact Person: Mr. Gorkow, Tel. +49 (0) 201 217600 24

1.4 Emergency Telephone Number:

Informationszentrale gegen Vergiftungen,

Universitätsklinikum Bonn

Adenauerallee 119, D-53113 Bonn

Tel: +49 (0)228-19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

No data available.

Classification (DPD):

No classification required.

2.2. Label elements

Label elements (CLP):

No data available.

Label elements (DPD):

The product is not subject to classification according to the calculation methods of the „General Classification Guideline for Preparations of the EC“ as issued in the last version.

2.3. Other hazards

None if used properly.

SECTION 3: Composition/information on ingredients

General chemical description:

Lubricant

Base substances of preparation:

Mineral oil

Declaration of the ingredients according to CLP (EC) No 1272/2008:

No data available.

Declaration of ingredients according to DPD (EC) No 1999/45:

Contains no dangerous substances exceeding the limits of the EU-Regulation

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

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

No data available.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the substance or mixture

In case of fire toxic gases can be released.

5.3. Advice for firefighters

Wear self-contained breathing apparatus. Wear protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

Remove mechanically.

Dispose of contaminated material as waste according to Chapter 13.

6.4. Reference to other sections

See advice in chapter 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Hygiene measures:

Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

Ensure good ventilation/extraction.

Store in a cool, dry place.

7.3. Specific end use(s)

High temperature grease

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Valid for Germany

None

Biological Exposure Indices:

8.2. Exposure controls:

Engineering controls:

Ensure good ventilation/extraction.

Respiratory protection:

Ensure adequate ventilation.

Hand protection:

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Polychloroprene (CR; ≥ 1 mm thickness) or natural rubber (NR; ≥ 1 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Polychloroprene (CR; ≥ 1 mm thickness) or natural rubber (NR; ≥ 1 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Protective goggles

Skin protection:

Wear protective equipment.

Advices to personal protection equipment:

Use only personal protection that's CE-labelled according to the regulation no. 819 of 19 August 1994.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance

Odor

pH

Initial boiling point

Flash point

Decomposition temperature

Vapour pressure

Density

(20 °C (68 °F))

Bulk density

Viscosity

(Brookfield; Instrument: LVT; 25 °C (77 °F);

speed of rotation: 30 min⁻¹; Spindle No: 3)

Viscosity (kinematic)

Explosive properties

Solubility (qualitative)

(20 °C (68 °F); Solvent: Water)

Solidification temperature

Melting point

Flammability

Auto-ignition temperature

Explosive limits

Partition coefficient: n-octanol/water

Evaporation rate

Vapor density

Solid content

Oxidising properties

solid material

pasty

brownish

characteristic

No data available / Not applicable

No data available / Not applicable

not applicable

No data available / Not applicable

No data available / Not applicable

0,9 g/cm³

No data available / Not applicable

500 - 1.300 mPa.s

No data available / Not applicable

No data available / Not applicable

Insoluble

No data available / Not applicable

No data available / Not applicable

No data available / Not applicable

No data available / Not applicable

No data available / Not applicable

No data available / Not applicable

No data available / Not applicable

No data available / Not applicable

6 %

No data available / Not applicable

9.2. Other information

No data available / Not applicable

SECTION 10: Stability and reactivity**10.1. Reactivity**

None if used for intended purpose.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity.

10.4. Conditions to avoid

None if used for intended purpose.

10.5. Incompatible materials

None if used properly.

10.6. Hazardous decomposition products

No decomposition if used according to specifications.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General toxicological information:

To the best of our knowledge no harmful effects are to be expected if the product is handled and used properly.

SECTION 12: Ecological information

General ecological information:

Do not empty into drains, soil or bodies of water.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

The valid EEC waste code numbers are not product-related but are largely source-related. These can be requested from the manufacturer. In consultation with the responsible local authority, must be subjected to special treatment.

SECTION 14: Transport information

General information:

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

SECTION 15: Regulatory information

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

VOC content 0 %

(VOCV 814.018 VOC regulation CH)

VOC Paints and Varnishes (EU):

Product (sub)category: This product is not a subject of the Directive 2004/42/EC

National regulations/information (Germany):

WGK: 1, slightly water-endangering product. (German VwVwS of July 27, 2005)

Classification in conformity with the calculation method

Storage class VCl: 11

SECTION 16: Other information

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.