

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

5 700 002 025

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

Lubricant, Grease, Release agent.

1.3. Details of the supplier of the safety data sheet

Company name: Robert Bosch GmbH
 Street: Auf der Breit 4
 Place: D-76227 Karlsruhe
 Telephone: +49 721-942-0

Responsible Department: Service Deutschland: 0 900 1 942 010-5
 Responsible for the safety data sheet: sds@gbk-ingelheim.de

1.4. Emergency telephone number: INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)
 In England and Wales: NHS 111 In Scotland: NHS 24 - dial 111

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful to aquatic life with long lasting effects.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/container to a hazardous or special waste collection point.

Special labelling of certain mixtures

EUH208 Contains N-phenyl-1-naphthylamine. May produce an allergic reaction.

2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH), this product is regarded to be neither PBT nor vPvB.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Fat

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
90-30-2	N-phenyl-1-naphthylamine			< 1 %
	201-983-0		01-2119488704-27	
	Acute Tox. 4, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H317 H400 H410			

Full text of H and EUH statements: see section 16.





SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Take affected person into fresh air. Consult a physician.

After contact with skin

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Seek medical treatment by eye specialist.

After ingestion

Do not induce vomiting. Consult a physician.

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

Contact with eyes, skin or oral tissues may cause irritation.

Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

No acute and delayed symptoms and effects are observed.

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

Treat symptoms.

Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, carbon dioxide (CO₂), dry chemical.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Fire may produce: Carbon monoxide and carbon dioxide

Fire gas of organic material has to be classed invariably as respiratory poison.

5.3. Advice for firefighters

In case of fire, wear suitable respiratory equipment with positive air supply.

Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.

Remove all incompatible materials.

6.2. Environmental precautions

Do not discharge into the drains or bodies of water.

Prevent spread over a wide area (e.g. by containment or oil barriers).

Alert the neighbourhood to the presence of fumes or gas.

6.3. Methods and material for containment and cleaning up

Take up mechanically and collect in suitable container for disposal.

Wash the ground with an appropriate self-emulsifying solvent.

6.4. Reference to other sections

Information for safe handling look up section 7.

Information for personal protective equipment look up chapter 8.

Information for disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling





5 700 002 025

00377-0083

Advice on safe handling

Avoid formation of mist in the air.

Avoid contact with the skin.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in original container.

Recommended storage temperature: 15 - 25 °C.

Hints on joint storage

Do not store with oxidizing agents.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

Lubricant, Grease, Release agent.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

The product contains no relevant quantities of materials with critical values that require monitoring at the workplace.

8.2. Exposure controls

Appropriate engineering controls

Pay attention to anti-explosion rules.

Keep away from sources of ignition.

Protective and hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and at the end of workday.

Remove and wash contaminated clothes before re-use.

Eye/face protection

Safety goggles (EN 166).

Hand protection

Gloves made of nitrile. 0,7 mm. Breakthrough time: > 1 h.

Skin protection

Protective suit.

Respiratory protection

No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	paste
Colour:	Light brown
Odour:	Characteristic

pH-Value: Not applicable.

Changes in the physical state

Melting point: Not available.

Initial boiling point and boiling range: Not available.

Softening point: Not available.

Flash point: > 200 °C

Flammability



**5 700 002 025**

00377-0083

Solid: Not available.

Explosive properties

Not available.

Lower explosion limits: Not applicable.

Upper explosion limits: Not applicable.

Ignition temperature: Not available.

Auto-ignition temperature

Solid: Not available.

Decomposition temperature: Not available.

Oxidizing properties

Not available.

Vapour pressure: (at 20 °C) < 0,1 hPa

Density: approx. 0,9 g/cm³

Water solubility: Soluble

Solubility in other solvents

Not available.

Partition coefficient: Not available.

Viscosity / dynamic: Not applicable.

Viscosity / kinematic: Not applicable.

Vapour density: Not available.

Evaporation rate: Not available.

9.2. Other information

Not available.

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

No decomposition if stored and applied as directed.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

Reactions with strong oxidizing agents.

10.4. Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

Fire may produce:

Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

No data available

Acute toxicity

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

No toxicological data available.

Irritation and corrosivity

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

Sensitising effects

Contains N-phenyl-1-naphthylamine. May produce an allergic reaction.





Carcinogenic/mutagenic/toxic effects for reproduction

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

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.

Additional information on tests

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

Practical experience

Other observations

Contact with eyes, skin or oral tissues may cause irritation.

Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

SECTION 12: Ecological information

12.1. Toxicity

The product has not been tested.

12.2. Persistence and degradability

Not available.

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

The product is soluble in water.

Floats on water.

12.5. Results of PBT and vPvB assessment

According to Regulation (EC) No 1907/2006 (REACH), this product is regarded to be neither PBT nor vPvB.

12.6. Other adverse effects

Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Where possible recycling is preferred to disposal.

Delivery to an approved waste disposal company.

Disposal in accordance with local regulations.

Contaminated packaging

It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.



**Marine transport (IMDG)**

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2004/42/EC (VOC):	0 %
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

National regulatory information**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

Changes in chapter: -

Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.





5 700 002 025

00377-0083

H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains N-phenyl-1-naphthylamine. May produce an allergic reaction.

Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

