

SAFETY DATA SHEET



Product name: **Molypan Pasta N**

Revised on: 28-05-2019
Replaces: 21-06-2006/ JR

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According to Regulation (EC) No 1907/2006

1. Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

MOLYPAN PASTA N (or SUMIDERA N)

1.2. Relevant identified uses of substances or mixture and uses advised against

Use of the substances/mixture

High performance lubricating compound
Molybdenum disulphide compound

1.3. Details of the supplier of the safety data sheet

Company name : Betech A/S
Street: Vesterlundvej 4
Place: DK-2730 Herlev
Telephone: +45 4485 8100
e-mail: info@betech.dk
Contact person: Helene Kjep
e-mail: hek@betech.dk
Internet: www.betech.dk
Responsible department: QA

1.4. Emergency telephone number: +45114

2. Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No.1272/2008:

This mixture is not classified as hazardous in accordance with Regulation (EC) No.1272/2008

2.2. Label elements

2.3. Other hazards: no information available

3. Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of high refined mineral oil with the addition of waxes and molybdenum disulphide

Further information

Highly refined mineral oil (DMSO-extract IM 346< 3%)

4. First aid measures

4.1. Description of the first aid measures

After inhalation: Provide fresh air.

After contact with skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse

After contact with eyes: Rinse immediately carefully and thoroughly with eye-bath or water

After ingestion: Rinse mouth immediately and drink plenty of water

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

No information available

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

Treat symptomatically

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings

Foam, carbon dioxide, extinguishing powder, water spray

Unsuitable extinguishing media

Water with full jet

5.2. Special hazards arising from the substances or mixture

Non-flammable

In case of fire can be released: Sulphur dioxide (SO₂), Carbon monoxide (CO), Carbon dioxide (CO₂), Nitrogen oxides (NO_x). Products of combustion of organic and inorganic substances are in each case as respiratory poisons classified.

5.3. Advice for firefighters

In case of fire: wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid generation of dust. Do not breath dust

6.2. Environmental precautions

Do not allow to enter into surface water or drains

6.3. Methods and material for containing and cleaning up

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal

6.4. References to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures are necessary

Advice on protection against fire and explosion

No special fire protection measures are necessary

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7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed

Hints on joint storage

No special measures are necessary

7.3. Specific end use(s)

High performance lubricating compound

Molybdenum disulphide compound

8. Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
8002-74-2	Paraffin wax,	-	2		TWA(8H)	WEL
	fume	-	6		STEL(15 min)	WEL

Additional advice on limit values

Components with workspace to control parameters: Oil mist benchmark (sum of aerosol and vapour): 10mg/m³ air. Oil mist: 10mg/m³ (TLV-STEL 15 minutes)

8.2. Exposure controls



Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with CE-label including the four control digits. The quality of protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of the gloves.

Protective gloves of Viton or nitrile. Permeation time > 480minutes. It is recommended to check the chemical resistance of the aforementioned protective gloves for special application with the glove manufacturer.

Skin protection

Wear suitable protecting clothing.

Respiratory protection

In case of inadequate ventilation, wear respiratory protection.

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9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	waxy at 20°C
Colour:	grey
Odour:	characteristic
Test method	
pH value:	not determined
Change in the physical state	
Melting point:	>50°C
Initial boiling point and boiling range:	not determined
Flash point:	of oil base >210°C DIN ISO 2592
Sustaining combustion:	no data available
Flammability	
solid:	not determined
gas:	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto ignition temperature	
solid:	not determined
gas:	not applicable
Decomposition temperature:	not determined
Oxidation properties	
not oxidizing	
Vapour pressure (at 20°C):	<0,1hPa
Density (at 20°C):	1,600g/cm ³ DIN51757
Water solubility (at 20°C)	immiscible
Solubility in other solvents	
not determined	
Partition coefficient:	not determined
Vapour density:	not determined
Evaporation rate:	not determined
9.2. Other information	
Solid content:	not determined
Penetration@ 25°C=85-160,0,1 mm	

10. Stability and reactivity

- 10.1. Reactivity**
No hazardous reaction when handled and stored according to provisions
- 10.2. Chemical stability**
The product is stable under storage at normal ambient temperatures
- 10.3. Possibility of hazardous reactions**
No known hazardous reactions

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10.4. Conditions to avoid

None

10.5. Incompatible materials

No information available

10.6. Hazardous decomposition products

In case of fire can released: Sulphur dioxide (SO₂), Carbon monoxide (CO), Carbon dioxide (CO₂), Nitrogen oxides (NO_x). Product of combustion of organic and inorganic substances are in each case as respiratory poisons classified.

11. Toxicological information

11.1. Information on toxicological effects

Additional information on test

This mixture is classified as not hazardous according to Regulation (EC) 1272/2008[CLP]

12. Ecological information

12.1. Toxicity

The product is not eco-toxic

12.2. Persistence and degradability

The product has not been tested

12.3. Bio-accumulative potential

The product has not been tested

12.4. Mobility on soil

The product has not been tested

12.5. Results of PBT and vPvB assessment

The product has not been tested

12.6. Other adverse effect

No information available

Further information:

Avoid release to the environment

13. Disposal consideration

13.1. Waste treatment method

Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

120112 WASTES FROM SHAPING AND PHISICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICAS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent waxes and fats; hazardous waste

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled

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14. Transport information

Land transport (ADR/RID)

- | | |
|---|---|
| 14.1. <u>UN number</u> | No dangerous good in sense of this transport regulation |
| 14.2. <u>UN proper shipping name</u> | No dangerous good in sense of this transport regulation |
| 14.3. <u>Transport hazard class(es)</u> | No dangerous good in sense of this transport regulation |
| 14.4. <u>Packing group</u> | No dangerous good in sense of this transport regulation |

Inland waterways transport (ADN)

- | | |
|---|---|
| 14.1. <u>UN number</u> | No dangerous good in sense of this transport regulation |
| 14.2. <u>UN proper shipping name</u> | No dangerous good in sense of this transport regulation |
| 14.3. <u>Transport hazard class(es)</u> | No dangerous good in sense of this transport regulation |
| 14.4. <u>Packing group</u> | No dangerous good in sense of this transport regulation |

Marine transport (IMDG)

- | | |
|---|---|
| 14.1. <u>UN number</u> | No dangerous good in sense of this transport regulation |
| 14.2. <u>UN proper shipping name</u> | No dangerous good in sense of this transport regulation |
| 14.3. <u>Transport hazard class(es)</u> | No dangerous good in sense of this transport regulation |
| 14.4. <u>Packing group</u> | No dangerous good in sense of this transport regulation |

Air transport (ICAO-TI/IATA-DGR)

- | | |
|---|---|
| 14.1. <u>UN number</u> | No dangerous good in sense of this transport regulation |
| 14.2. <u>UN proper shipping name</u> | No dangerous good in sense of this transport regulation |
| 14.3. <u>Transport hazard class(es)</u> | No dangerous good in sense of this transport regulation |
| 14.4. <u>Packing group</u> | No dangerous good in sense of this transport regulation |
| 14.5. <u>Environmental Hazards</u> | |

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precaution for users

No information available

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

Not applicable

15. Regulatory information

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

EU regulatory information

Information on Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

2010/75/EU (VOC): not applicable

2004/42/EC(VOC): not applicable

National regulatory information

Water contaminating class (D) 1-slightly water contaminating

The substance/preparation is listed in the following national inventories:

EINECS/ELINCS/NLP: yes

NECI: yes

NZIoC: yes

TSCA: yes

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FDA:	yes
CEPA:	yes
DSL:	yes
KECI/ECL:	yes
PICCS:	yes
MITI:	yes
IECSC:	yes
AICS:	yes
ISHL:	yes
NDSL:	yes

15.2 Chemical safety assessment

Chemical safety assessment for substances in this mixture were not carried out

16. Other information

Abbreviation and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(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

LC50: Lethal concentration 50%

LD50: Lethal dose 50%

Further information

The information is based on present level of our knowledge. It does not, however, give assurance of the product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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