

Material Safety Data Sheet

Lucofin® 1400HN

1. Identification of Substance/Preparation and the Company/Undertaking

Trade Name: Lucofin 1400HN

Application of the substance/the preparation (*): synthetic resin

Supplier:

LUCOBIT AG

Brühler Str. / Basell GmbH B100

50389 Wesseling

Germany

Phone: +49 (0) 22 36/3 78 59 0

Emergency information:

Basell Werkfeuerwehr Wesseling

Phone: +49 - 22 36-72-25 55

2. Composition/information on ingredients

Chemical nature: Ethylene and Butyl Acrylate Copolymer (EBA), (Butyl Acrylate 5 - 20 %)

CAS: 25750-84-9

Dangerous components: void

EINECS (*): conforms

3. Hazard identification

Information pertaining to particular dangers for man and environment (*): The molten product adheres to the skin and causes burns. Spilled material may present a slipping hazard.

Classification system: This product is, according to EEC directives 1999/45, 67/548, 76/769 and following amendments, not classified as hazardous.

4. First aid measures

General information (*): At room temperature the product is neither an irritant nor gives off hazardous vapours. The measures listed below apply to critical situations (fire, incorrect

process conditions).

After inhalation (*): In case of excessive inhalation of fumes move the person to fresh air. Call for medical help.

After skin contact: After contact with the molten product, cool rapidly with cold water. Do not pull solidified product away from the skin. Seek immediate medical advice.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: No specific measures have to be taken if the product is swallowed.

5. Fire fighting measures

Suitable extinguishing agents: water haze, foam, chemical powder

For safety reasons unsuitable extinguishing agents: water jet

Special hazards caused by the material, its products of combustion or resulting gases: In case of fire it can release: water (H₂O), carbon dioxide (CO₂), and when lacking oxygen, (O₂), carbon monoxide (CO). The products of the burning are dangerous.

Protective equipment: Use a mask with universal filter. Use self-contained breathing apparatus within confined rooms.

Additional information Heat value: 12.2 kWh/kg

6. Accidental release measures

Person-related safety precautions (*): Particular danger of slipping on leaked/ product (See point 8).

Measures for environmental protection (*): No special measures required (See points 12 and 13).

Measures for cleaning/ collecting: Recycle product or dispose properly (See point 13).

Additional information: Spilled material may present a slipping hazard .

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7. Handling and storage

Handling:

Information for safe handling: No special requirements necessary, if handled at room temperature. When bringing the material to processing temperatures gases might develop, forming:

- ▶ ethylene and alkenes of higher molecular weight
- ▶ traces of formaldehyde and acrylaldehyde traces of
- ▶ acids (formic acid, acetic acid)

Provide appropriate ventilation for such processing conditions. Take precautionary measures against explosion risks, as all types of polymers may develop dust during transporting or grinding of granules. Do not allow the formation of dust. Spilled material may present a slipping hazard.

Storage:

Requirements to be met by storerooms and containers:

- ▶ take precautionary measures to prevent the formation of static electricity
- ▶ do not smoke, ground equipment electrically
- ▶ open flames prohibited

Information about storage in one common storage facility: not required

Further information about storage conditions: Protect from heat and direct sunlight. Store container in a well ventilated position. Store under dry conditions. Storage containers should be stacked at a maximum of two high.

8. Exposure controls and personal protection (*)

Protective provisions: Ensure ventilation of work areas and extraction of dust or vapours likely to be given off during conversion operations.

Control parameters: -

Exposure limits: -

Inhalable dusts: -

Germany 1999 : VME= 10 mg/m³

USA-ACGIH 2003 : TLV-TWA = 10 mg/m³

Personal protection equipment:

Hand protection: Gloves (product handled in molten state)

Eye protection: Safety glasses/goggles (product handled in molten state)

Skin and body protection: Protective clothing (product handled in molten state)

9. Physical and chemical properties (*)

General Information

Form: pellets

Colour: neutral

Odour: nearly odourless

Change in condition : -

Melting point/range: 90 - 100 °C

Boiling point/range: not applicable

Flash point: not applicable

(see attachment to guideline 92/69/EEC, A.9)

Ignition temperature: > 360 °C

Danger of explosion: Product is not explosive. See point(s) 7.

Density, at 20 °C, 0.92 - 0.93 g/cm³

Solubility in/miscibility with water: insoluble

Additional information: soluble in boiling, aromatic chlorinated solvents

10. Stability and reactivity

Thermal decomposition/conditions to be avoided: The product is stable when handled and stored under normal conditions. Decomposes over 360 °C.

Dangerous reactions: no dangerous reactions known

Dangerous products of decomposition: No hazardous decomposition products known at room temperature.

11. Toxicological information

Acute toxicity:

Primary irritant effect:

- ▶ On the skin: no irritant effect

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► On the eye: no irritant effect

Sensitization: no sensitizing effect known

Additional toxicological information: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological information

Information about elimination (persistence and degradability):

Other information: The product is not biodegradable. Behaviour in environmental systems:

Mobility and bioaccumulation potential: Floats on water. There is no bioaccumulation.

General notes: The product is not toxic, small particles can have physical effects on water and soil organisms.

13. Disposal considerations

Product:

Recommendation: Reuse or recycle if possible. Disposal through controlled incineration or authorised waste dump.

Uncleaned packagings:

Recommendation: Disposal must be done according to official regulations.

14. Transport information (*)

Technical consignment name: (*) See section 2

ADR/RID (*): not regulated

ADN/ADNR (*): not regulated

IMDG (*): not regulated

IATA (*): not regulated

15. Regulatory information

Designation according to EC guidelines: not classified

16. Other information

Although the information and recommendations set forth herein are presented in good faith and believed to be cor-

rect as of the date hereof, our company makes no representations as of the completeness or accuracy thereof information is supplied upon the condition that persons receiving the same will make their own determination as to safety and suitability for their purposes prior to use. In no event will our company be responsible for damages of any nature whatsoever resulting from the use of reliance upon information. No representations of warranties either expressed or implied, or merchantability, fitness for a practical purpose or of any other nature, are made hereunder with respect to information or the product to which the information refers.

A (*) indicates an amendment from the previous version.