

Safety Information

Lucofin[®] 1451

1. Identification of substance

Trade name:

Lucofin[®]1451

Manufacturer/Supplier:

LUCOBIT AG

Brühler Str. 60 • Basell Polyolefine GmbH • B100

D-50389 Wesseling

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

Emergency information:

Basell Fire Brigade Wesseling

Tel.: +49 (0) 22 36/72-25 55

2. Hazards identification

This product is a preparation and is, according to EEC directives 1999/45, 67/548, as well to regulation 1272/2008/EC (CPL) and following amendments, not classified as hazardous.

This product confirms to REACH requirements and does not contain any of the Annex 14 candidate chemicals proposed to be SVHC above 0,1% threshold as stated in REACH, (1907/2006/ EC, art. 57).

For this product a Safety Data Sheet acc. REACH Regulation 1907/2006 Article 31 is not required.

3. Chemical characterization

Description:

Ethylene/N-butylacrylate- copolymer CAS-Nr.025750-84-9

Polyolefins, PE- and PP-based

Dangerous components: Void

Additional information: Can contain additives

4. First aid measures

At room temperature the product is neither an irritant nor gives off hazardous vapours.

The measures listed below apply to critical situations (Fire, in-correct 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 minimum 15 minutes under running water.

5. Firefighting measures

Suitable extinguishing agents:

Water haze, Foam, Chemical powder

Unsuitable extinguishing agents:

Water jet. In case of fire it can release: water (H₂O), carbon dioxide (CO₂), carbon monoxide (CO)

Protective equipment:

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

6. Accidental release measures

Particular danger of slipping on leaked/spilled product.

7. Handling and storage

When bringing the material to processing temperatures gases might develop, forming:

- ethylene and alkenes of higher molecular weight.
- traces of formaldehyde and acryl aldehyde
- 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.

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.

Protect from heat and direct sunlight. Store container in a well-ventilated position. Store under dry conditions.

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8. Exposure controls and personal protection

No components with maximum exposure limits that require monitoring at the workplace. Ensure ventilation of work areas and extraction of dust or vapors likely to be given off during processing operations.

However, the common limit values of dust have to be met

| | | | |
|-----------------|---------------------|--------|----------|
| inhalable dust | 10mg/m ³ | E-dust | TRGS 900 |
| respirable dust | 3 mg/m ³ | A-dust | TRGS 900 |

9. Physical and chemical properties

| | |
|----------------------|------------------------------|
| Form: | Pellets |
| Colour: | blue |
| Odour: | Nearly odourless |
| Melting range: | 90-130°C |
| Density (23°C): | appr. 1,05 g/cm ³ |
| Solubility in Water: | Insoluble |

10. Stability and reactivity

The product is stable when handled and stored under normal conditions.
Decomposes above 360°C.

11. 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

The product is not biodegradable.

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

13. Disposal considerations

Reuse or recycle if possible.
Disposal through controlled incineration or authorised waste dump.
Disposal must be done according to official regulations.

14. Transport information

According to national and international guidelines, which regulate the road-, rail-, air- and sea transport, this product is classified as not dangerous.

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 correct 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.

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