We create chemistry

Safety data sheet

1. Substance/preparation and manufacturer/supplier identification

Ultramid® B33 SLX 09

Use: Polymer

Recommended use: Polymer, for industrial processing only

Manufacturer/supplier:
BASF Vietnam Co. Ltd.
Floor 11, Saigon Trade Center, 37 Ton Duc Thang Street,
Ben Nghe Ward, District 1, Ho Chi Minh City, VIETNAM
Telephone: +84 28 3824 3833
Telefax number: +84 28 3824 3832
E-mail address: minh-triet.thieu@basf.com

Emergency information:
18001703 (Vietnam)
Telefax number: +84 28 3824 3832
International emergency number:
Telephone: +49 180 2273-112

2. Hazard identification

Classification of the substance and mixture:
No need for classification according to GHS criteria for this product.

Label elements and precautionary statement:

The product does not require a hazard warning label in accordance with GHS criteria.

Other hazards which do not result in classification:

No specific dangers known, if the regulations/notes for storage and handling are considered.

3. Composition/information on ingredients

Chemical nature

Polymer based on:
polyamide (PA 6)
CAS Number: 25038-54-4

Contains: lubricants

No particular hazards known.

4. First-Aid Measures

General advice:
Burns caused by molten material require hospital treatment.

If inhaled:
not relevant.

On skin contact:
Burns caused by molten material require hospital treatment.

On contact with eyes:
If irritation develops, seek medical attention.

On ingestion:
No hazards anticipated.

Note to physician:
Symptoms: (Further) symptoms and / or effects are not known so far
Hazards: No hazard is expected under intended use and appropriate handling.
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
water spray, foam, dry powder, carbon dioxide

Specific hazards:
At temperatures of > 300 °C can be emitted: carbon monoxide, hydrogen cyanide
Under special fire conditions traces of other toxic substances are possible. Formation of further decomposition and oxidation products depends upon the fire conditions.

Further information:
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:
No special precautions necessary.

Environmental precautions:
No special precautions necessary.

Methods for cleaning up or taking up:
For small amounts: Pick up with suitable appliance and dispose of.
For large amounts: Pick up with suitable appliance and dispose of.

Additional information: High risk of slipping due to leakage/spillage of product.

7. Handling and Storage

Handling

Protection against fire and explosion:
Take precautionary measures against static discharges.

Storage

Suitable materials for containers: Stainless steel 1.4301 (V2), Stainless steel 1.4401, Aluminium, High density polyethylene (HDPE)

Storage stability:
Protect against moisture.

8. Exposure controls and personal protection

Components with occupational exposure limits

caprolactam, 105-60-2;
TWA value 5 mg/m3 (ACGIHTLV), Inhalable fraction and vapor
TWA value 20 mg/m3 (OEL (VN)), fumes/smoke
STEL value 3 mg/m3 (OEL (VN)), dust
TWA value 1 mg/m3 (OEL (VN)), dust

Personal protective equipment

Eye protection:
Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures:
No special precautions necessary. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form:	granules	
Colour:	white, translucent	
Odour:	odourless	
Odour threshold:	not applicable	
pH value:	not soluble	
Melting temperature:	approx. 211 - 215 °C	(DIN 53736)
onset of boiling:	not applicable	
Flash point:	not applicable, the product is a solid	
Evaporation rate:	not applicable, The product is a non-volatile solid.	
Flammability (solid/gas):	not highly flammable	
Lower explosion limit:	For solids not relevant for classification and labelling.	
Upper explosion limit:	For solids not relevant for classification and labelling.	
Ignition temperature:	> 400 °C	(ASTM D1929)
Thermal decomposition:	> 300 °C	
Self ignition:	not self-igniting	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	not applicable	
Density:	1.12 - 1.15 g/cm3 (20 °C)	(EN ISO 1183-1)
Relative density:	No data available.	
Bulk density:	780 kg/m3	
Relative vapour density (air):	not applicable, The product is a non-volatile solid.	
Solubility in water:	insoluble	
Partitioning coefficient n-octanol/water (log Pow):	not applicable	

Viscosity, dynamic:
not applicable, the product is a solid
Viscosity, kinematic:
not applicable, the product is a solid

10. Stability and Reactivity

Conditions to avoid:
Temperature: > 300 °C

Thermal decomposition: > 300 °C

Substances to avoid:
No substances known that should be avoided.

Hazardous reactions:
No hazardous reactions known.

Hazardous decomposition products:
carbon monoxide, hydrogen cyanide, caprolactam

Thermal decomposition products:
caprolactam
The substances/groups of substances mentioned may be released during processing.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Contact with molten product may cause thermal burns.

Irritation

Assessment of irritating effects:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Experimental/calculated data:
Serious eye damage/irritation:May cause mechanical irritation.

Respiratory/Skin sensitization

Assessment of sensitization:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Germ cell mutagenicity

Assessment of mutagenicity:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Carcinogenicity

Assessment of carcinogenicity:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Reproductive toxicity

Assessment of reproduction toxicity:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Specific target organ toxicity (single exposure):

Assessment of STOT single:
not applicable

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Aspiration hazard

not applicable

Other relevant toxicity information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:
There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the structure of the product.

Mobility

Assessment transport between environmental compartments:
Study scientifically not justified.

Bioaccumulation potential

Bioaccumulation potential:
The product will not be readily bioavailable due to its consistency and insolubility in water.

Additional information

Add. remarks environm. fate & pathway:
Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

13. Disposal Considerations

Check for possible recycling.
Incinerate in suitable incineration plant, observing local authority regulations.

Contaminated packaging:
Packs must be completely emptied.
Completely emptied packagings can be given for recycling.

14. Transport Information

Domestic transport:

Not classified as a dangerous good under transport regulations

Sea transport
IMDG

Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

16. Other Information

In addition to the information given in the safety data sheet we refer to the product specific 'Technical Information'.

Vertical lines in the left hand margin indicate an amendment from the previous version.

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