SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

ULTRAMID® A3K UNCOLORED POLYAMIDE

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

Relevant identified uses: Polymer
Recommended use: Polymer, for industrial processing only

1.3. Details of the supplier of the safety data sheet

Company: BASF SE
67056 Ludwigshafen
GERMANY

Contact address: BASF Ireland Ltd.
Inchera Industrial Estate, Little Island
County Cork, REPUBLIC OF IRELAND

Telephone: +353 21 451-7100
E-mail address: product-safety-north@basf.com

1.4. Emergency telephone number

International emergency number:
Telephone: +49 180 2273-112

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 [CLP]

No need for classification according to GHS criteria for this product.
2.2. Label elements

Globally Harmonized System, EU (GHS)

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

2.3. Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

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

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical nature

Preparation based on: polyamide (PA 66)

additives

SECTION 4: First-Aid Measures

4.1. Description of first aid measures

Avoid contact with the skin, eyes and clothing.

If inhaled:
If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

On skin contact:
Wash thoroughly with soap and water. Burns caused by molten material require hospital treatment.

On contact with eyes:
In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

On ingestion:
Rinse mouth and then drink plenty of water. If difficulties occur: Seek medical attention.

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

Symptoms: No significant reaction of the human body to the product known.
Hazards: No hazard is expected under intended use and appropriate handling.

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

Treatment: Treat symptomatically.

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### SECTION 5: Fire-Fighting Measures

**5.1. Extinguishing media**

Suitable extinguishing media:
- water spray, foam, dry powder

**5.2. Special hazards arising from the substance or mixture**

At temperatures of > 320 °C can be emitted: ammonia...%, carbon monoxide, Carbon dioxide, cyclopentanone, hydrogen cyanide; hydrocyanic acid, amine derivatives, nitriles

Under special fire conditions traces of other toxic substances are possible. Formation of further decomposition and oxidation products depends upon the fire conditions.

**5.3. Advice for fire-fighters**

Special protective equipment:
- Wear a self-contained breathing apparatus.

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

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### SECTION 6: Accidental Release Measures

High risk of slipping due to leakage/spillage of product.

**6.1. Personal precautions, protective equipment and emergency procedures**

No special precautions necessary.

**6.2. Environmental precautions**

No special precautions necessary.

**6.3. Methods and material for containment and cleaning up**

For small amounts: Pick up with suitable appliance and dispose of.
For large amounts: Pick up with suitable appliance and dispose of.

**6.4. Reference to other sections**

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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### SECTION 7: Handling and Storage

**7.1. Precautions for safe handling**
Protection against fire and explosion:
Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Suitable materials for containers: Low density polyethylene (LDPE), High density polyethylene (HDPE), Aluminium, Carbon steel (Iron)

Storage stability:
Protect against moisture.

7.3. Specific end use(s)
For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Components with occupational exposure limits

No occupational exposure limits known.

8.2. Exposure controls

Personal protective equipment

Respiratory protection:
Wear respiratory protection if ventilation is inadequate. Breathing protection if breathable aerosols/dust are formed. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:
Use additional heat protection gloves when handling hot molten masses (EN 407), e.g. of textile or leather.

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

Body protection:
Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures
No special precautions necessary. After use of gloves apply skin-cleaning agents and skin cosmetics.
SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form: granules
Colour: various, depending on the colourant
Odour: odourless
Odour threshold: not applicable
pH value: not applicable
Melting temperature: approx. 260 °C (DIN 53765)
Boiling range: The substance / product decomposes therefore not determined.
Flash point: not applicable
Evaporation rate: The product is a non-volatile solid.
Flammability: not self-igniting
Flammability of Aerosol Products: not applicable, the product does not form flammable aerosoles
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)
Vapour pressure: not applicable
Density: 1.10 - 1.20 g/cm³ (20 °C) (EN ISO 1183-1)
Relative density: No data available.
Relative vapour density (air): not applicable
Solubility in water: insoluble
Partitioning coefficient n-octanol/water (log Kow): not applicable
Self ignition: not self-igniting
Thermal decomposition: > 320 °C
Viscosity, kinematic: not applicable, the product is a solid
Explosion hazard: not explosive

9.2. Other information
SECTION 10: Stability and Reactivity

10.1. Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

10.2. Chemical stability
The product is stable if stored and handled as prescribed/indicated.

10.3. Possibility of hazardous reactions
No hazardous reactions known.
The product is chemically stable.

10.4. Conditions to avoid
Temperature: > 320 °C

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

10.6. Hazardous decomposition products
Hazardous decomposition products:
ammonia...%, carbon monoxide, Carbon dioxide, cyclopentanone, hydrogen cyanide; hydrocyanic acid
amines, nitriles

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

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
No aspiration hazard expected.

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.
SECTION 12: Ecological Information

12.1. Toxicity

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

12.2. Persistence and degradability

Assessment biodegradation and elimination (H2O):
Experience shows this product to be inert and non-degradable.

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

Assessment transport between environmental compartments:
Adsorption in soil: Study scientifically not justified.

12.5. Results of PBT and vPvB assessment

The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

12.6. Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

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.
### SECTION 14: Transport Information

**Land transport**

<table>
<thead>
<tr>
<th>ADR</th>
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<tbody>
<tr>
<td>UN number</td>
<td>Not classified as a dangerous good under transport regulations</td>
</tr>
<tr>
<td>UN proper shipping name</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>Not applicable</td>
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<tr>
<td>Packing group</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>None known</td>
</tr>
</tbody>
</table>

**RID**

| UN number | Not classified as a dangerous good under transport regulations |
| UN proper shipping name | Not applicable |
| Transport hazard class(es) | Not applicable |
| Packing group | Not applicable |
| Environmental hazards | Not applicable |
| Special precautions for user | None known |

**Inland waterway transport**

**ADN**

| UN number | Not classified as a dangerous good under transport regulations |
| UN proper shipping name | Not applicable |
| Transport hazard class(es) | Not applicable |
| Packing group | Not applicable |
| Environmental hazards | Not applicable |
| Special precautions for user | None known |
| Transport in inland waterway vessel | Not evaluated |

**Sea transport**

**IMDG**

| UN number | Not classified as a dangerous good under transport regulations |
| UN number | Not applicable |
Air transport

IATA/ICAO

UN proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group: Not applicable
Environmental hazards: Not applicable
Special precautions for user: None known

14.1. UN number
See corresponding entries for “UN number” for the respective regulations in the tables above.

14.2. UN proper shipping name
See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

14.3. Transport hazard class(es)
See corresponding entries for “Transport hazard class(es)” for the respective regulations in the tables above.

14.4. Packing group
See corresponding entries for “Packing group” for the respective regulations in the tables above.

14.5. Environmental hazards
See corresponding entries for “Environmental hazards” for the respective regulations in the tables above.

14.6. Special precautions for user
See corresponding entries for “Special precautions for user” for the respective regulations in the tables above.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Regulation: Not evaluated
Shipment approved: Not evaluated
Pollution name: Not evaluated
Pollution category: Not evaluated
SECTION 15: Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Prohibitions, Restrictions and Authorizations

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

15.2. Chemical Safety Assessment

Chemical Safety Assessment not required

Product is not classified as hazardous.

A safety data sheet for this product is legally not required and is provided by us just as a courtesy to our customers.

SECTION 16: Other Information

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

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product’s properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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