

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

1.1 Product identifier

Product name: Polypropylene

CAS-No.: 9003-07-0

EC-No.: -----

1.2 Relevant identified uses of the substance or mixture

Identified use: Laboratory chemical

1.3 Details of the supplier of the safety data sheet

Company: NETZSCH-Gerätebau GmbH
Wittelsbacherstraße 42
95100 Selb / Germany

Customer service Phone: +49 9287 881-555

Fax: +49 9287 881-505

E-mail Address: service@ngb.netzsch.com

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

None

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

None

Results of PBT- und vPvB assessment

PBT: Not applicable

vPvB: Not applicable

3. Composition / information on ingredients

3.1 Chemical characterization:

Substances

CAS-No. Description: 9003-07-0

Identification number(s):

EC number: -----

Formula: (C₃H₆)_n

Molar mass [g/mol]: -----

4. First aid measures

4.1 Description of first aid measures

General information:	Consult a doctor in case of complaints
After inhalation:	In case of inhalation of dusts, vapor or fumes, that may arise when the material is heated: Remove affected person to fresh air. Consult a doctor
After skin contact:	Wash off with plenty of water and soap. If skin irritation continues, consult a doctor
After eye contact:	To be sure rinse opened eye under running water for at least 15 minutes. Consult a physician
After swallowing:	Rinse out mouth and then drink water. Consult a physician. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

There is no description of any toxic symptoms

4.3 Indication of any immediate medical attention and special treatment needed

Physician should be notified; symptomatic treatment.

5. Fire-Fighting measures

5.1 Extinguishing agents

Suitable extinguishing agents:	Use fire-extinguishing methods suitable to surrounding conditions. CO ₂ , Powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
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For safety reasons unsuitable extinguishing agents:	For this substance/mixture no limitations of extinguishing agents are given. Do not extinguish in full jet
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5.2 Special hazards arising from the substance or mixture

In the event of fire development of hazardous combustion gases or vapours possible.

In case of fire, the following can be released:

Carbon monoxide, carbon dioxide, aldehydes, ketones

5.3 Advice for firefighters

Protective equipment:	Wear self-contained respiratory protective device. Wear fully protective suit.
Additional information:	Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Prevent fire-fighting water from entering surface water or groundwater.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing dust.

6.2 Environmental precautions

Prevent further spillage. Do not allow to enter drains. Product can be separated from water using suitable aids. (sieve/net)

6.3 Methods and material for containment and cleaning up

Pick up mechanically, dust-free and deposit. Dispose of the absorbed material in accordance with regulations.

6.4 Reference to other sections None

7. Handling and storage

7.1 Precautions for safe handling

Store in a dry place

Information about fire and explosion protection:

No special measures required

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be safe storage, including any incompatibilities: No special requirements

Information about storage in one common storage facility: No special requirements

Further information about storage conditions: None

Recommended storage temperature: No special requirements

7.3 Specific end use(s)

Use in the laboratory

8. Exposure controls / personal protection

Additional information about design of technical facilities: No further data

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:	Wash hands before breaks and at the end of work.
Individual protection measures:	None required
Respiratory protection:	Required when dusts are generated. Filter P2 (colour code: white)
Protection of hands:	If contact with molten polymer is possible, heat protective gloves must be worn.
Eye protection:	Protective goggles when chips are produced
Body protection:	Work clothing

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

<u>Appearance</u> Form: Colour:	Solid plastic granules White
Odour:	Not determined
Odour threshold:	No information available
pH-value:	No information available
<u>Change in condition</u> Melting point / Melting range: Boiling point / Boiling range:	140 - 170°C Undetermined
Flash point:	Not applicable
Flammability (solid, gaseous):	The substance burns
Ignition temperature:	> 400°C (estimated)
Decomposition temperature:	> 300°C (estimated)
Self-igniting:	No information available
Danger of explosion:	Product does not present an explosion hazard
<u>Explosion limits</u> Lower: Upper:	No information available No information available
Oxidizing properties:	No information available
Vapour pressure:	No information available
Density at 20°C:	Bulk density: 400-620 g/cm ³
Relative density:	No Information available
Vapour density:	No Information available
Evaporation rate:	No Information available
Solubility in / Miscibility with water:	Not miscible or difficult to mix
Partition coefficient (n-octanol / water):	No information available
<u>Viscosity</u> Dynamic: Kinematic:	No information available No information available

9.2 Other information

None

10. Stability and reactivity

10.1 Reactivity

Not applicable

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

No information available

10.4 Conditions to avoid

No information available

10.5 Incompatible materials

No information available

10.6 Hazardous decomposition products

In case of fire: see item 5. Carbon monoxide, carbon dioxide, aldehydes, ketones

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD / LC50 values relevant
for classification:

Quantitative data on the toxicity of this product are not
available

Primary irritant effect

Skin:	None known
Eyes:	Eye irritation with dusts and chips
Inhalation:	None known
Ingestion:	None known
Sensitization:	No sensitizing effects known

CMR effects

Germ cell mutagenicity:	No information available
Carcinogenicity:	No information available
Reproductive toxicity:	No information available

Aspiration hazard: No information available

Specific target organ toxicity – single exposure:

The substance or mixture is not classified as specific target organ toxicant, single exposure

Specific target organ toxicity – repeated exposure:

The substance or mixture is not classified as specific target organ toxicant, repeated exposure

14. Transport information

	ADR	IMDG	IATA
14.1 UN-Number	none	none	none
14.2 UN proper shipping name	none	none	none
14.3 Transport hazard class(es) / -label			
14.4 Packing group:	---	---	---
Transport hazard class(es):	none	none	none
Label:	---	---	---
danger symbol:			
14.5 Environmental hazards:	no	no	no

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk

15. Regulatory information

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

National regulations:

Information about limitation of use: None known

Waterhazard class: Not hazardous to water

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

16. Other Information

Guarantee

This information has been compiled to the best of our knowledge; however, we make no claim as to its completeness and it is meant to serve only as a guideline. NETZSCH-Gerätebau GmbH disclaims any liability for damages, which may occur in handling or in contact with these chemicals.

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