



Safety Data Sheet

Polyamid 12

01. Identification of the preparation and of the company

<u>Product</u>	polyamide 12
<u>Trade name</u>	PARAB
<u>Supplier</u>	REIKU GmbH Robert-Bosch Str. 3 51674 Wiehl Germany Tel : +49 2261 7001 0 Fax : : +49 2261 7001 24 Emergency telephone number : +49 2261 7001 0

02. Composition / information on ingredients

<u>Chemical nature of the preparation</u>	- polyamide 12
<u>Substances presenting a health hazard</u>	- N-Butylbenzosulfonamid : < 10% (CAS : 3622-84-2 / EINECS : 2228-23-6) X _n harmful R48/20/21/22 : Harmful : danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed

03. Hazards identification

<u>Most important hazards</u>	None
<u>Critical hazards to man and the environment</u>	The product does not have to be labelled due to the calculation procedure of the « directive relating to the classification, packaging and labelling of dangerous preparations »

04. First-aid measures

<u>Inhalation</u>	In case of inhalation of hot vapours or decomposition products, move the victim to fresh air, give oxygen or artificial respiration, if necessary If symptoms persist, consult a physician
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Skin and eye contact

In case of contact with the hot product, rapidly cool the skin and the eyes with cold water

In case of adherence of the product, do not try to pull it out

Treat the wounds like thermal burns

Consult a physician / an ophthalmologist

Ingestion

If necessary, consult a physician

05. Fire-fighting measures

Suitable extinguishing media

Water spray

Foam

carbon dioxide (CO₂)

Special exposure hazards arising from the preparation, its combustion products and the resulting gases

Can be released : carbon monoxide (CO), Sulphur dioxide (SO₂) and Hydrogen cyanide (HCN)

Special protective equipment for firefighters

In case of fire, use a self-contained breathing apparatus

06. Accidental release measures

Personal precautions

Promptly sweep or clean to avoid slipping

If necessary, put a mask against dust and for the eye protection

Avoid skin contact and dust inhalation

Environmental precautions

Keep away from drains

Methods for cleaning up

sweeping or aspiration

07. Handling and storage

Handling

Provide adequate ventilation at processing machinery

Provide water supply point near at hand

Take measures to prevent static electricity during transfer in metallic installations

Avoid dust formation

Ban spark and ignition sources near at hand

do not smoke

Handle far away from flames

Storage

Keep in a dry, cool place

Keep at a temperature lower than 60 °C



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Ban spark and ignition sources near at hand
do not smoke
Not forget to earth all the electrical equipments which could be used
in explosive atmosphere

Packing

3-layer-bags (cardboard, aluminium, polyethylen) or octabins in
cardboard

Other information

stable product in normal conditions of handling and storage

08. Exposure control / personal protection

Precautionary measures to be taken

Provide adequate ventilation of the facilities, exhaust system for dust
and fumes that could be produced during processing operations

Control parameters

Maximum Exposure Limits :
- dust
UK : MEL = 10 mg/m³
USA-ACGIH 1994 : TLV-TWA = 10 mg/m³

Equipment to provide adequate and suitable
protection

Respiratory protection

During processing operations and in case of insufficient ventilation,
use self-contained breathing apparatus with adequate masks and
filters

Hand protection

During processing operations, wear appropriate safety gloves
(recommended by the glove supplier)

Eye protection

During processing operations, use appropriate safety glasses
(recommended by the glass supplier)

Skin protection

During processing operations, use appropriate safety shoes
(recommended by the shoe supplier)

Specific hygiene measures

During processing operations, avoid skin and eye contact and fumes
inhalation

09. Physical and chemical properties

Appearance

solid, black granules

Melting point / Melting range

168 - 178 °C

Autoflammability

The granules are not selfigniting

Solubility

soluble in :



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- phenol
- metacresol
- benzylic alcohol
- formic acid (concentrated)
- sulfuric acid (concentrated)

10. Stability and reactivity

Conditions to avoid

Do not keep at a temperature higher than 60 °C
Keep far away from ignition and flame sources

Materials to avoid

No hazardous reaction known

Hazardous decomposition products

Can be released : carbon monoxide (CO), Sulphur dioxide (SO₂) and Hydrogen cyanide (HCN)

11. Toxicological informations

Acute toxicity

No data available, according to our experience
Because of its composition, the product can be considered as :
Not very harmful or not harmful by ingestion
Not very harmful by skin contact

Local effects

No data available, according to our experience
Inhalation : the decomposition products could be irritant for the respiratory tract
Skin contact : the decomposition products could be irritant for the skin. Skin contact with the hot product can cause serious burns
Eye contact : the decomposition product could be irritant for the eyes

Chronic toxicity

No special preoccupation

12. Ecological information

Ground pollution

Non-polluting

Water pollution

Non-polluting

Air pollution

Non-polluting



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13. Disposal considerations

Disposal of the preparation

Recycling : please contact Agiplast

Disposal of the packaging

Recycling possible

14. Transport information

Not classified as dangerous product

No special recommendation

15. Regulatory information

EC Directive

The product does not have to be labelled due to the calculation procedure of the « directive relating to the classification, packaging and labelling of dangerous preparations »

16. Other information

Recommended use

Extrusion

This document is valid for the product just as it is, in conformity with the specifications provided by REIKU.

In case of preparation or of mixture, make sure that new risks cannot occur.

The information contained in this datasheet is provided in good faith and is based on our more recent knowledge relating to the product into object, at the date of edition of this datasheet.

We draw the attention of the users on the risks which can be occur when the product is not used as recommended.

This datasheet should only be used or reproduced for prevention and safety reasons.

The enumeration of the legal, lawful and administrative texts should not be considered as exhaustive.

The consignee has to refer to the official texts in force for the use, the storage and the handling of the product, for which he is responsible.

The user has to provide the people who can be in contact with the product (use, storage, handling, etc.) all information necessary to work safety, health protection and the air protection, in transmitting them a copy of this safety data sheet.

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