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

Product identifier

Polyoxymethylene (POM)

Relevant identified use of substance/preparation and use which is advised against

None

Relevant identified uses

Semi-finished products for the manufacture of plastic products.

Details of the supplier of safety data sheet

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SECTION 2: Hazards identification

There are no hazards known from this product.

SECTION 3: Composition/information on ingredients

Polyoxymethylene-copolymer 100 %
This product does not contain any hazardous substances.

SECTION 4: First aid measures

Description of First aid measures

Inhalation:

If overheated, formaldehyde vapours can be emitted. In case of inhalation of formaldehyde vapours, move affected person to fresh air, provide warmth and get medical advice if necessary. Inhale dosage aerosol dexamethasone. In case of unconsciousness, place and transport affected person in stable sideways position. Symptoms can include: irritation of mucous membranes, cough, lacrimation. In case of breathing difficulties: Lift the upper part of the body and place the affected person in seated position.

Skin contact with hot POM:

Cool skin immediately with cold water for a long time, remove dirty clothes. Do not remove cooled melt from skin. Cover burns with clean bandages.

Eye contact with hot POM:

Do not rub in case of foreign object in the eye. Do not remove cooled melt from skin. Cover the injured area with clean bandages. Cover eyes if necessary and seek medical attention of eye doctor immediately.

Ingestion:

Rinse mouth and drink plenty of water. Get medical advice in case of discomfort.

SECTION 5: Fire fighting measures**Suitable extinguishing media**

Water jet, dry powder, carbon dioxide (CO₂), foam.

Advice for fire-fighters

Use self-contained respirator (breathing apparatus with compressed air).
Do not allow contaminated fire water to enter drains/surface water/ground water.

Additional advice

The product melts/catches fire in case of flame action and continues burning outside the source of ignition. Carbon dioxide, carbon monoxide and monomers can be released in case of fire. Depending on the fire conditions, fission and oxidation products can occur. The fire can spread out if decomposition products are catching fire spontaneously.

SECTION 6: Accidental release measures**Environmental precautions**

Remove product residues mechanically from waste water before leading it to drains.

SECTION 7: Handling and storage**Advice for safe handling**

Avoid overheating during processing, provide adequate ventilation at processing machines. Avoid inhalation of vapours.

Storage:

Keep away from strong acids, bases, acidifying or alkaline products and oxidizing agents. Observe the relevant specifications of operative fire protection.

SECTION 8: Exposure controls/personal protection**Occupational limit values**

Substance	CAS-No.	Value:
Formaldehyde	CAS-Nr. 50-00-0	MAC: 0,5 ml/m ³ ; 0,6 mg/m ³ (Germany) Peak limit: cat. 1 / Carcinogenic: cat. 3

Mechanical processing:

Substance	CAS-No.	Value:
Fine dust	Not applicant	MAC: 0,6 mg/m ³ (Germany)

Personal protective equipment**Respiratory protection**

In case of dust pollution use respiratory protection.

Eye / Face protection

Wear protection goggles with side shields in case of mechanical processing.

Hygienic measures

The general specifications of industrial hygiene have to be followed. Wash hands before any break and at end of work. Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Physical state / form:	Solid (semi-finished product, finished product)
Colour:	Natural (white), black
Density:	1,41 g/cm ³ at 20°C; DIN 53479
Odour:	Odourless
Water absorption:	0,3 % (at standard climate, 23 °C, rel. humidity 50 %)
Allowed pressure load at 1 % compression:	16 N/mm ²
Thermal decomposition:	> 240 °C
Usage temperature:	-30 °C up to +80 °C
Coefficient of thermal conductivity:	0,31 W/K x m

SECTION 10: Stability and reactivity**Conditions to avoid**

Thermal decomposition beginning at > 240 °C.

Incompatible materials

Concentrated or strongly oxidizing acids such as concentrated sulphuric acid.

Hazardous decomposition products

Mainly CO and CO₂, formaldehyde and monomer components.

SECTION 11: Toxicological information

No adverse effects are known if the product is handled correctly and precautions on work hygiene are observed.

SECTION 12: Ecological information

Due to its practical insolubility in water, a cleaning by means of filtration or sedimentation is possible.

SECTION 13: Disposal considerations

Correctly sorted and clean product can be recycled or disposed of in accordance with local laws and regulations for house hold waste or burned in an appropriate incineration plant.

Waste code for the polluted product: 20 01 06 (other plastics, European waste catalogue)

SECTION 14: Transport information

ADR/RID	no dangerous goods
ADN	no dangerous goods
IATA	no dangerous goods
IMDG	no dangerous goods

SECTION 15: Regulatory information**Labelling as per EU directives**

Labelling is not required.

National regulations

GefStoffV (15.11.1999): no labelling required.

WHG (12.11.1996): not hazardous to water according to VwVwS (17.05.1999)

SECTION 16: Other information

The information given in this safety data sheet is based on our present available experience and only describes the security appearance of the product. It is up to the user to check if the product is suitable for the respective application. All questions regarding warranty and liability for this product are regulated according to our sales conditions unless legal requirements are differing.

Change index

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