

# Material Safety Data Sheet

## 1. Identification of substance:

Product details:

Trade name: **POM (Polyoxymethylene/Polyacetal)**

Supplier: **SSP Manufacturing Inc.**

83 Spring Lane, Hackettstown,

NJ 07840

## 2. Hazards identification

**Information pertaining to particular dangers for man and environment:**

No physical/chemical, environmental or human health hazards are known

## 3. Composition/Data on components:

**Chemical characterization:** Composition based on Polyoxymethylene(POM C), contains applicable pigments or additives

**Data on Components:** The product contains no hazardous components.

## 4. First aid measures

**After inhalation:** after inhalation of fumes, decomposition products or volatiles (during processing) cart the affected person under appropriate self protection off the danger zone, if necessary perform artificial respiratory ensure rest and warmth and further medical attendance.

**After skin contact:** after contact with hot Polymer cool affected parts of the body long lasting with cold water, remove polluted clothing for cooling. Don't peel solidified polymer-melt off the skin, cover burnswith sterile bandage. Burnings have to be clinically medicated. Skin irritations caused by glassfibres should be rinsed with many water without rubbing the affected parts of the body.

**After eye contact:** With a contaminant(splinter, chop) in an eye do not rub. Keep the affected eye resting and bandage both eyes if applicable, call in an eye specialist immediately.

## 5. Fire fighting measures

**Suitable extinguishing agents:** Water, Extinguishing foam, Dry extinguisher, Carbondioxide(CO2)

**Special protective equipment for fire-fighting:** Use self-contained breathing apparatus. Wear personal protective clothing

**Additional information:** The product inflames under flame exposure and keeps burning without an ignition source. Thermal decomposition can release toxic and highly inflammable fumes and vapors. Therefore these decomposition products can cause further firespreading through spontaneous ignition, for this reason hot polymer-melt should be cooled with water. Collect water used in firefighting and fireremains and dispose according to local regulations.

## 6. Accidental release measures

**Measures for environmental protection:** Clean waste water mechanically from product remains before discharging to sewerage

**Measures for cleaning/collecting:** collect or pick up mechanically

## 7. Handling and storage

**Handling:**

**Information for safe handling:** Avoid overheating of the product by improper handling, mechanical handling should be carried out with as little dust emission as possible.

**Information about protection against explosions and fires:** In mechanical handling local exhaustion/ventilation

measures have to assure limiting values shown in Pt.8.1. In case of dust emission take precautions against electrostatic charge and protect against ignition sources

**Storage:** --

## 8. Exposure controls and personal protection

**Additional information about the creation technical constructions:**

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**Components with critical values that require monitoring at the workplace:**

CAS-Nr.	Substance	kind	value	unit
	Particulate matter	MAK	0,6	mg/m <sup>3</sup>
50-00-0	Formaldehyde	MAK	0,5	ml/m <sup>3</sup>

Remark H – skin resorptiv

Remark Y – The risk of fertile damaging hasn't to be feared by preserving MAK – value

Cancer-producing Cat. 3

**Personal protective equipment:**

**General protective and hygienic measures:** General regulations for industrial work hygiene have to be preserved.

Wash hands before working breaks and after end working,  
don't eat, drink or smoke at the work place.

**Breathing equipment:** protective mask during dust emission

**Protection of hands:** protective gloves

**Eye protection:** safety glasses recommended

## 9. Physical and chemical properties:

**Form:** tubes

**Colour:** white

**Smell:** typical

<b>Change in condition:</b>	<b>Value/Range</b>	<b>Unit</b>	<b>Method</b>
Melting point/Melting range:	~165	°C	DIN EN ISO 3146
Boiling point/Boiling range:	n.a.	°C	
Flash point:	--	°C	
Inflammability (solid, gaseous):	n.a.	°C	
Ignition temperature:	> 320	°C	ASTM D1929
Danger of explosion:	n.a.		
Density:	1.41	g/cm <sup>3</sup>	DIN 53479
Solubility in/Miscibility with Water(20°C):	insoluble		
pH-value	n.a.		
viscosity	n.a.		

## 10. Stability and reactivity

**Conditions to be avoided:** Temperatures above 240°C (beginning of thermal decomposition)  
strong concentrated acids, strong oxidizing agents

**Dangerous products of decomposition:** Smouldering fire or imperfect combustion releases toxic fumes and vapors containing mostly carbondioxide, carbonmonoxide and formaldehyde

## 11. Toxicological information

**Primary irritant effect:** By means of appropriate handling and intended use, are no harmful effects to health known. Contacts with the melted product can cause burns, dusts emitted by mechanical machining can cause skin-, respiratory- or eyeirritations.

**12. Ecological information**

**General notes:** Because of its practically complete insolubility in Water this product can be separated with filtration-or sedimentation processes.

**13. Disposal considerations**

**Product:**

**Recommendation:** recycle material if possible; combustion (according to local regulations)

**Waste code:** 57129

**Waste designation:** Waste from plastic production and processing

**Declaration required (Y/N):** Y

**14. Transport information**

**Transport/Additional information:** not dangerous according to the above specification

**15. Regulatory information**

**Designation according to EC guidelines:** No classification required

**National regulations**

**GefStoffV (26.11.2010):** No classification required

**WHG (12.11.1996):** Not hazardous to waters in terms of VwVwS( as of 27.7.2005)

**16. Other information:**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific

product features and shall not establish a legally valid contractual relationship.

(n.a. - not applicable)

These information in this material safety data sheet refers exclusively to the safety requirements in connection with the above named product(s) and is based on the current state of our knowledge. The data should not be taken to imply any guarantee of a particular or general specification of the product(s).

Product features are listed in special specifications.