

**Material safety data sheet (MSDS)****OmniAcetal-H**

Polyoxymethylene (POM-H - homopolymer acetal grade)

P1  
CD4 - SDS iss 01  
Rev No: 2  
Rev Date: 01/11/25**PLASTIM**  
ENGINEERING PLASTICS**Identification of the substance / preparation and company**

Commercial Product Name:	OmniAcetal-H (POM-H)
Use:	Polymer (thermoplastic)
Company (supplier of the safety data sheet):	Plastim Limited Unit 100 - Ashville Business Park Commerce Road, Staverton, Gloucestershire, GL2 9QJ
Emergency telephone number:	Tel. +44 (0)1452 857733 admin@plastim.co.uk
Company Registration Number:	3376659

**Hazard identification**

Classification:	Not classified (no need for classification)
Label elements:	The product does not require a hazard warning label
Physical / chemical hazards:	Flammable
Environmental hazards	According to Directive 1999/45/EC, not classified as dangerous.

**Composition / information on ingredients**

Chemical characterisation:	Polyoxymethylene Homopolymer (POM H)
Description:	Semi-finished shapes such as sheets, rods, plates, tubes and blocks.
Hazardous substances:	Product contains no hazardous ingredients liable to be disclosed.

**First aid measures**

General information:	The product is being classified as non-noxious.
In case of inhalation:	In case the plastic burns and combustion gases are inhaled, remove person to fresh air and keep warm and get medical help if necessary.
In case of skin contact:	Burns caused by molten material on skin need to be rapidly cooled down with water. Do not attempt removal of plastic without medical assistance. If irritation develops, seek medical attention.
In case of eye contact:	Flush eyes well with copious quantities of water. Seek medical attention if irritation persists.
In case of ingestion:	If swallowed, the product is non-noxious. Seek medical attention if irritation develops.

**Fire-fighting measures**

Suitable extinguishing media:	Water, foam, gaseous and dry extinguishing media
Particular endangerments by fire fighting and hazardous combustion products:	Hazardous combustion products may emerge, apart from harmless water (H <sub>2</sub> O); carbon dioxide (CO <sub>2</sub> ) and mainly carbon monoxide (CO) depending on the amount of available environmental oxygen, containing ketones and aldehyde. Formation of further decomposition and oxidation products depends upon the fire conditions. Under special fire conditions traces of other toxic substances are possible.
Fire fighting:	For fires in enclosed areas, firefighters must use self-contained breathing apparatus and protective clothing should be used.

**Accidental release measures**

Environmental precautions:	Dispose in accordance with regional regulations. Do not dispose into the drains as small particles may present a physical ingestion hazard to wildlife.
Methods for containment and cleaning up	Sweep and collect dust using a suitable vacuum system. Place in suitable containers for recycling or disposal.

**Handling and storage**

Advice on safe handling:	For heavier pieces handle with lifting equipment or sufficient manpower. When machining shapes, evacuate swarf to prevent slipping or tripping.
Storage:	Store product dry. Keep storage and working areas sufficiently ventilated. Keep away from any source of flame, heat and ignition. Due to the risk of collapsing, do not stack more than 2 pallets on top of each other. Pallets should not stack on top of each other along aisles.

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**Exposure controls / personal protection**

Ingredients with occupational exposure limits to be monitored:  
CAS-Nr. 50-00-0 (Formaldehyde)  
Occupational exposure limit (TRGS 900) 0.5 ml/m<sup>3</sup>  
0.62 mg/m<sup>3</sup>  
High limit / Exceedance factor = 1  
Limit values can be fractionally exceeded by adequate ventilation.  
The MAK-value for Formaldehyde (TRGS 900) only serves as a benchmark.

Exposure controls Personal (body) protection:	Keep the workplace sufficiently ventilated. Continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended. Avoid breathing in gaseous degradation products and dust that may result from material overheating.
Hand protection:	Wear suitable gloves to protect from heat, abrasion and cutting.
Eye protection:	Wear safety goggles or shield during machining.
Body protection:	Wear working clothes.
Respiratory protection:	Adequate ventilation at workplace is required.
Measures:	Do not eat, drink or smoke while handling the product.

**Physical and chemical properties**

Physical state:	Solid - (rods / plates / tubes)
Colour:	Product specific - White, Black
Odour:	Slight, product-specific
Melting point:	160 – 170 °C
Self-ignition temperature:	320 °C
Explosion hazard or limit:	Non explosive
Density (20 °C):	1,42 g/cm <sup>3</sup>
Solubility (in water 20 °C):	Insoluble

**Stability and reactivity**

Conditions to avoid:	Temperatures above melting point (160 °C)
Material to avoid:	Strong oxidant
Hazardous decomposition products:	Formaldehyde (CH <sub>2</sub> O) CAS-No. 50-00-0 Carbon monoxide (CO) CAS-No. 630-08-0 Do not machine together with PVC or other polymers which contain halogenated flame retardants.

**Toxicological information**

Toxicology:	No adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
Persistence and degradability:	The material does not harm the environment but is not classified as biodegradable.
Legal specifications:	The product does not require a hazard warning label.

**Disposal considerations**

Product waste treatment methods:	Dispose in accordance with local and national regulations. The material can be recycled by extrusion process into pellets for further processing.
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**Transport information**

Specific hazards:	Not classified as hazardous under transport regulations.
Packaging information:	Wooden pallets, bags within cardboard boxes or plastic boxes.

**Other information**

Plastim Limited do not manufacture the product described in this safety data sheet. Information is extracted from the manufacturer's provided data. The actual manufacturer's original safety data sheet is available upon request.

The information set forth herein has been gathered from standard reference materials and based on our current knowledge and experience. Such information is offered solely for your consideration, investigation and verification, it is not suggested or guaranteed that the hazard precautions or procedures mentioned are the only ones that exist. We make no warranties (expressed or implied) with respect to the use of such information or the use of the specific material identified herein in combination with any other material or process, and assumes no responsibility therefor.