

MM-Elastomer 95 • MM Elastomer 85 • MM-Elastomer 65**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**

Product information

Commercial product name: MM-Elastomer 95 (Prod-# 951, 952, 953)
MM-Elastomer 85 (Prod-# 956)
MM-Elastomer 65 (Prod-# 958)

Company: MultiMetall
Spenglerstraße 3
D-41749 Viersen
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Polyol formulation

Components:
CAS-Number:
Symbol(s):
R-phrases(s):
concentration:

3. HAZARDS IDENTIFICATION

None known

4. FIRST AID MEASURES

General advice: Move out of dangerous area. Victim to lie down in the recovery position, cover and keep him warm. Take off all contaminated clothing immediately. Wash with water and soap as precaution.

Eye contact: Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

Skin contact: If you have skin contact, you must wash off with much water and soap and afterwards you take a cream for your skin.

Inhalation: Move to fresh air. Victim to lie down in the recovery position, cover and keep him warm. Consult a physician after significant exposure.

Ingestion: Prevent vomiting if possible. Clean mouth with water and drink afterwards plenty of water. Call a physician immediately.

Notes to physician: Symptoms: cough, shortness of breath, discomfort in the chest
Risks: Symptoms of poisoning may only appear several hours later

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: water spray, foam, carbon dioxide (CO₂), extinguishing powder

Extinguishing media which must not be used for safety reasons: High volume water jet

Protective equipment: Wear personal protective equipment. In case of insufficient ventilation, wear Suitable respiratory equipment.

Additional information: Water mist may be used to cool closed containers. Risk of bursting. Extinguishing water is to be disposed of in accordance with local authority regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep away from sources of ignition - No smoking. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

Environmental precautions:	Do not allow to reach sewage system or water bodies. Do not allow to enter the ground/soil. Stop leaks if possible.
Methods for cleaning up:	Soak up with inert absorbent material e.g. sand, silica gel, acid binder, universal binder, sawdust. Keep in suitable, closed containers for disposal. Clean contaminated surfaces thoroughly.
Additional advice:	Inform fire brigade or police if the product has penetrated into water or into the sewerage, if soil or plants have been contaminated.

7. HANDLING AND STORAGE

Safe handling advice:	Ensure adequate ventilation, especially in confined areas.
Advice on protection against fire and explosion:	No special precautions necessary if used correctly
Requirements for storage areas and containers:	Keep in a well-ventilated place. Keep container tightly closed.
Advice on common storage:	No materials to be specially mentioned.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information on the lay-out of technical plant:	Ensure adequate ventilation, especially in confined areas.
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Components with workplace control parameters

Components:
CAS-Number:
Value:
Release notes:
Basis:

Personal protection equipment

Respiratory protection:	Not required, except in case of aerosol formation.
Hand protection:	solvent-resistant gloves
Eye protection:	safety glasses
Skin and body protection:	long sleeved clothing
Hygiene measures:	Wash hands before breaks and at the end of workday. Avoid contact with skin and eyes. General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Appearance:	pasty (Prod-# 951) liquid (Prod-# 952, 956, 958) brushable (Prod-# 953)
Colour:	black
Odour:	mild

Other data

Boiling point/range:	not applicable (Prod-# 951, 952, 953) at 280°C at 1.013 hPa (Prod-# 956, 958)
Flash point:	> 140°C at 1.013 hPa Method: closed cup (Prod-# 951, 952, 953)
Ignition temperature:	no data available (Prod-# 951, 952, 953) approx. 450°C at 1.013 hPa Method: DIN 51794 (Prod-# 956, 958)
Upper explosion limit:	not applicable
Lower explosion limit:	not applicable
Vapour pressure:	not applicable (Prod-# 951, 952, 953) at 20°C < 0,003 hPa (Prod-# 956, 958)
Density:	1,03 g/cm ³
Solubility/qualitative:	Not miscible with water, lighter than water.
Water solubility:	< 10 g/l at 20°C at 1.013 hPa
pH-value:	not applicable
Viscosity, dynamic:	25°C 290000 mPas Method: Brookfield (Prod-951) 25°C 6000-9000 mPas Method: Brookfield (Prod-952) 25°C 100000 mPas Method: Brookfield (Prod-953) 25°C 800-1200 mPas Method: Brookfield (Prod-956, 958)

10. STABILITY AND REACTIVITY

Thermal decomposition:	No decomposition if stored and applied as directed.
Hazardous reactions:	Exothermic reaction with oxidizing agents.
Hazardous decomposition products:	
Type of listing:	none known

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity:	LD50 rat 2000 mg/kg for main component
Acute inhalation toxicity:	
Acute dermal toxicity:	LD50 rat > 2000 mg/kg for main component
Skin irritation	According to experience not expected
Eye irritation:	According to experience not expected
Sensitization:	
Human Experience:	No health hazard are known if handled correctly and used in accordance with specifications and respecting usual hygiene measures.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability:	Due to the chemical formulation biological degradability is expected.
Physico-chemical removability:	In sewage water plants, the product can be separated by mechanical means. Not miscible with water, lighter than water.
AOX:	product does not contain AOX
Additional information:	

13. DISPOSAL CONSIDERATIONS

Products:	Must be incinerated in a suitable incineration plant authorised under the Environmental Protection Act.
Package not cleaned:	Empty containers should be transported/delivered using a registered waste carrier for local recycling or waste disposal.

14. TRANSPORT INFORMATION

Land transport:	Not restricted article
Sea transport:	Not restricted article
Air transport:	Not restricted article

15. REGULATORY INFORMATION

Labelling according to EEC Directive

Hazard-determining components of labelling:	
Symbol(s):	
R-phrases:	
S-phrases:	

16. OTHER INFORMATION

These information are based on the present state of our knowledge and do therefore not guarantee certain properties. However, it shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.