

EC SAFETY DATA SHEET FOR EXTRUDATE ACRYLIC SEMI-FINISHED PRODUCTS

(XT ACRYLIC TUBES, CIRCULAR BARS, SEMICIRCULAR BARS, SQUARE BARS, TRIANGULAR BARS,
PROFILES AND SLABS)

(Updating: 01/01/2003)

1. Material/preparation and firm identification

EXTRUDATE ACRYLIC SEMI-FINISHED PRODUCTS

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2. Composition/Information on components

MMA (Methyl methacrylate)-based acrylic polymer

3. Possible dangers

No particular dangers known.

4. First-aid measures

After contact with eyes: In case of mechanic eye irritation wash carefully with plenty of water and if the irritation persists consult a doctor.

5. Measures against fire

Suitable fire-extinguishing means: rain-like water-jet, fire foam, extinguishing powder, carbon dioxide

Means to be avoided because of safety: full stream water-jet

Particular protective equipment: use an independent breathing apparatus

6. Measures in case of accidental spill

Cleaning/picking up procedure: Pick up mechanically. Dispose according to regulations.

7. Manipulation and storage

Manipulation

Instructions for safe usage

In case of thermal manufacturing and/or manufacturing with removal of shavings a suction on the manufacturing machines is required.

Instructions for fire and explosion protection

No particular measures required.

Storage

Requirements for storage and containers: Storage in dry place.

8. Limits of exposure and personal protection equipment

Components or decomposition products according to paragraph 10 with limit values to be monitored according to workplace

Methyl methacrylate 80-62-6

Air limit value (MAK) 2000

210 mg/m³

50 ml/m³

High-limit surpassing factor: =1=

Y – A risk of product damage is not to be feared if MAK and BAT are respected.

Personal protection equipment

Hygienic measures: respect the usual working hygienic measures

Breathing protection: is not required with normal manipulation; in case of manufacturing with removal of shavings a dust-mask can be necessary

Hand protection: protective gloves against mechanic risks according to EN 388 – A suitable type of gloves has to be chosen for every workplace

Eye protection: protection glasses during manufacturing with shavings

9. Physical and chemical properties

Manifestation

Form: solid in various shapes

Colour: no colour

Smell: no smell

Important facts for safety

Softening temperature: >110°

Flammability point: >250°C (ASTM D1929-68)

Ignition temperature: >400° C (ASTM D1929-68)

Autoignition: unknown

Lower explosion point: not usable

Higher explosion point: not usable

Steam pressure: not usable

Density: 1,18 g/cm³ at 20° C

Water-solubility: insoluble

pH value: not usable

Viscosity (dynamic): not usable

Further information: none

10. Stability and reactivity

Thermo-decomposition: >250°C

Dangerous reactions: no dangerous reactions known

Dangerous decomposition products: in case of thermo-decomposition there is a release of flammable steam based mainly on methyl methacrylate with irritating effects for eyes and respiratory tract.

11. Toxicological information

General information

The product has not been tested toxicologically. No negative effects on health are known if used properly.

12. Ecologic information

General information: The product has not been tested eco-toxicologically. According to the consistency of the product no negative ecologic effects are to be expected on the basis of what is known at present.

13. Instructions for disposal

Product: The waste is not dangerous. The disposal should take place according to regulation after agreement with the relevant local authorities in a suitable and homologated plant.

Dirty package: Uncontaminated package can be recycled.

EWC waste code:

07 02 13

Waste from plastic, synthetic rubber and artificial fibre manufacture, formulation, supply and use (MFSU) - plastic waste.

Please check waste code number according to origin on the workplace.

14. Instructions for transport

Further information: Not-dangerous good according to transport regulation.

15. Regulation

Labelling according to directive 1999/45/EC: Not applicable

Further information on labelling: On the basis of the present toxicological and eco-toxicological information on similar products at our disposal, there is no labelling according to EC directive 1999/45/EC.

Technical information, Air: without

16. Further information

Further information: None

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