

MATERIAL SAFETY DATA SHEET

115 2500

Cretex Fastset



SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

Product Name: **CRETEx FASTSET**
 Company Name: Polycote UK
 Centre Point • Wolseley Road
 Woburn Road Industrial Estate
 Kempston • Beds MK42 7EF
 Telephone Number: 01234 846400

SECTION 2: HAZARDS IDENTIFICATION

Highly flammable. Irritant. When heated, formation of explosive vapour/air mixtures. Danger of bursting of closed systems due to vigorous exothermic polymerisation. Avoid uncontrolled polymerisation.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Preparation Based on Methyl methacrylate and small quantities of N.N.-Dimethyl-p-toluididine.

Hazardous Components:

Methyl methacrylate: Cas No. 80-62-2 Symbols: F, Xi
 R-phrases: 11, 36/36/38, 43.
 Ethoxylated para-Toluididine: Cas No. N/A Symbols: Xn
 R-phrases: 22, 41.

SECTION 4: FIRST AID MEASURES

Inhalation: Remove affected person into fresh air.
 Skin Contact: Rinse thoroughly with water. With continuous irritation, consult doctor.
 Eye Contact: Rinse thoroughly immediately with water for at least 5 minutes, keeping eyelid open. Further treatment by eye doctor.
 Ingestion: Consult doctor immediately.

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media: Mist, Foam, Carbon Dioxide, Dry Powder,
 Unsuitable extinguishing media: Do not use Water Jet.
 Exposure hazards: Fumes released on combustion lead to irritation or inflammation of the respiratory tract.
 Protective equipment: Self contained breathing apparatus may be required for serious fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep persons at a distance.
 Wear personal protective equipment – see Section 8.
 Remove all sources of ignition. Avoid contact with product.
 Environmental protection: Do not allow product into sewage water stretches of drainage systems.
 Procedure for cleaning up: Isolate and seal off defective containers immediately. Absorb product with absorbent sand universal binder. Remove absorbed material into a suitable closed container.

SECTION 7: HANDLING AND STORAGE

Handling: Close container after removal of product. Protect from heat and sun's rays. Keep away from sources of ignition – No smoking. Ensure good ventilation and/or local exhaust. Stir or shake well before use.
 Storage: Store in dry, well ventilated, cool (max. 25°C) conditions. Maximum storage period – 6 months.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

OES 208mg/m³. (8 hour TWA). Smoking, eating, drinking prohibited in proximity of product.
 Respiratory Protection: Ensure adequate ventilation (forced in enclosed spaces). If limit is exceeded, independent breathing apparatus may be necessary.
 Hand Protection: Gloves of latex or rubber.
 Eye Protection: Safety glasses or goggles.
 Skin Protection: Protective overalls and enclosed footwear.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance:
 Shape: Liquid of water-like viscosity.
 Colour: colourless; clear.
 Odour: strongly of methyl methacrylate.
Safety-relevant data:
 Melting point* –48°C BS 523,1964.
 Boiling point* 100.3°C DIN 51751
 Flash Point* 11.5°C DIN 51755.
 Ignition point* 430°C DIN 51794
 Lower explosion limit* 2.1 vol.%.
 Upper explosion limit* 12.5 vol.%.
 Vapour pressure at 20°C* 36 mbar.
 Density at 20°C 0.94 g/cm³ DIN 53217.
 Solubility in water at 20°C* 16.0 g/l
 Distribution coefficient (n-octanol/water)* 0.73 log POW
 Dynamic viscosity at 20°C <1 mPas DIN 53018
 * These data refer to the main component, methyl methacrylate.

SECTION 10: STABILITY AND REACTIVITY

Materials to avoid: Radical generating substances such as peroxides azo compounds, heavy metal compounds, solutions.
 Conditions to avoid: High temperature, ignition sources.
 Product is supplied in stabilised form.

SECTION 11: TOXICOLOGICAL INFORMATION

Following years of experience with proper handling, no detrimental effects have been known. LD50 (oral, rat) 7,872 mg/kg.
 Primary irritative effect to skin: non irritative OECD 404 (rbt).

SECTION 12: ECOLOGICAL INFORMATION

Materials based on current knowledge, low potential for hazard (Federal Environmental Agency – Germany – group III)
 Not easily biodegradable OECD 301C
 Acute Fish Toxicity: LC50 (48 hr) 350 mg/l

SECTION 13: DISPOSAL CONSIDERATIONS

Can be disposed of with domestic refuse after polymerisation. Dispose of resin and cans by incineration of landfill, by an approved contractor, according to local or national regulations.

Non-contaminated packaging should be treated as household waste or as recycling materials.

European Waste Catalogue (EWC) 17 02 03: Plastic

Recommended Cleaning Agent: Acetone, Ethylacetate.

SECTION 14: TRANSPORT INFORMATION

Road/Rail Transport: ADR/RID/GGVS/GGVE
Class 3 Number 3 letter b
Orange Warning Plate 339/1247

Marine Transport: IMDG code/GGV Class 3.2
UN No 1247 Packaging Group II

Air Transport: ICAO-TI/ATA-DGR Class 3
UN No 1247 Packaging Group II

SECTION 15: REGULATORY INFORMATION

Labelling of product in line with EC directive (in accordance with supplement II of directive on preparations 88/379/EEC.)

Label Information: F Highly flammable
Xi Irritant

Risk phrases: Contains Methyl methacrylate
R11 Highly flammable
R36/37/38 Irritating to eyes,
respiratory system and skin.

Safety phrases: R43 May cause sensitisation by skin contact.
S9 Keep container in a well ventilated place.
S16 Keep away from sources of ignition - No
smoking
S29 Do not empty into drains.
S33 Take precautions against static discharge.

SECTION 16: OTHER INFORMATION

Risk phrases in full:

R11: Highly flammable
R22: Harmful if swallowed
R36: Irritating to eyes
R37: Irritating to respiratory system
R38: Irritating to skin
R41: Risk of serious damage to eyes
R43: May cause sensitisation by skin contact

Safety phrases in full:

S9: Keep container in a well-ventilated place
S16: Keep away from sources of ignition – No Smoking
S29: Do not empty into drains
S33: Take precautionary measures against static discharges

The Safety Data above is applicable to the product only as used according to the purposes and methods described on the relevant Technical Data Sheet, available from Polycote UK on request.

The information above is based on our present knowledge and is believed to be correct but does not purport to be all inclusive and should only be used as a guide. No warranty is implied with respect to the specification of the product. It is intended to describe the product solely in terms of its safety requirements and relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. This data does not constitute the users own assessment of workplace risk as required by other Health and Safety legislation, nor is it a sales specification or indication of suitability for any particular use. The user must satisfy himself as to the suitability of the product for his purpose. No legally valid contractual relationship is established by the above data, and Polycote UK shall not be held liable for any damage resulting from handling or from contact with the above product.

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