

SAFETY DATA SHEET

Polyurethane Fast Cast Part A



Polyurethane Fast Cast - Standard

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name: Polyurethane Fast Cast - Standard
Company: TOMPS Ltd
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2 HAZARDS IDENTIFICATION

Hazard description:



Xi Irritant

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 36 Irritating to eyes.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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3 . COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization

Description: Modified polyol formulation.

Dangerous components:

CAS: 25214-63-5	Alkylaminopoly(oxyalkylen)ol	Xi; R 36	25-50%
CAS: 64742-95-6	Solvent naphtha (petroleum), light arom.		
EINECS: 265-199-0.	Xn, Xi, N; R 10-37-51/53-65		≤2.5%

4. FIRST AID MEASURES

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If symptoms persist consult doctor

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fire with alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

Protective equipment: Wear self-contained respiratory protective device.

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6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:

Ensure adequate ventilation

Wear protective clothing.

Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7. HANDLING AND STORAGE

Handling:

Information for safe handling: Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection: No special measures required.

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidizing agents.

Keep away from alkaline materials.

Further information about storage conditions:

Please stir or shake thoroughly before use !

Storage between 15°C and 30°C at a dry and well-ventilated place.

Keep container tightly closed.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

For the permanent contact gloves made of Nitrilkautschuk with a layer thickness of at least 0.20 mm are suitable. The penetration time of this glove material is 480 minutes.

The glove material has to be according the specifications of EU-guideline 89/686/EWG and the resulting norm EN374, for example KCL Dermatril P,0743. The above mentioned penetration times are based on laboratory measurements of KCL according to EN 374.

This recommendation is only valid for the product, which is delivered from us and only for the intended mentioned application. Regarding dissolution or mixing with other substances please contact suppliers of CE-approved gloves. (For example KCL GmbH, D-36124 Eichenzell, internet: www.kcl.de)

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Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Eye protection: Tightly Sealed Goggles



9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Fluid
Colour:	White Cloudy
Odour:	Weak, characteristic
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	> 290°C (DIN 53171)
Flash point:	> 130°C (c.c.)
Ignition temperature:	325°C (DIN 51794)
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Vapour pressure at 20°C:	2 hPa ((hPa=mbar))
Density at 20°C:	1.01 g/cm ³ (ISO 2811)
Solubility in / Miscibility with water:	Not miscible or difficult to mix
Viscosity:Dynamic at 25°C:	65 mPas (ISO 9371)

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10. STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Carbon monoxide and carbon dioxide

Materials to be avoided: Oxidizing agent

Dangerous reactions No dangerous reactions known.

Dangerous decomposition products:

At high temperatures dangerous decomposition products can be developed as for example:

Smoke. Nitrogen oxides (Nox) , Carbon Monoxide & Carbon Dioxide

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Primary irritant effect: on the skin: No irritant effect.

on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

12. ECOLOGICAL INFORMATION

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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13. DISPOSAL CONSIDERATIONS

Product: Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Waste disposal key:

The Waste-Key-Numbers have to be given from the waste-producer depending on the respective trade. Therefore no information can be stated from the manufacturer.

Uncleaned Packaging Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

14. TRANSPORT INFORMATION

Land transport ADR/RID (cross-border)

ADR/RID class: -

Maritime transport IMDG:

IMDG Class: -

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

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15. REGULATORY INFORMATION

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Code letter and hazard designation of product:

Xi Irritant

Risk phrases:

R36 Irritating to eyes.

Safety phrases:

S23 Do not breathe fumes/aerosol.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S29 Do not empty into drains.

S60 This material and its container must be disposed of as hazardous waste.

National regulations:

Technical instructions (air):

Class Share in % II 0.2

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases

R10 Flammable.

R36 Irritating to eyes.

R37 Irritating to respiratory system.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

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