



Material Safety Data Sheet
Multi Purpose Polyurethane Sealer consisting of Part A:
Hydroxy Acrylic Base and Part B: Isocyanate Catalyst

Part A

Section 1: IDENTIFICATION OF THE SUBSTANCE

Name : Hydroxy Acrylic Base

Date Issued : 21-06-22

SAPMA : 2-H-E

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

Hydroxy acrylic base in a solvent blend of ester and aromatic hydrocarbons.

Section 3: HAZARDS IDENTIFICATION

SAPMA Health Rating : 2-MODERATE – Temporary or minor injury possible even if treatment given.

Inhalation: HARMFUL. Excessive exposure to this material must be avoided.

Skin: Highly irritating. Risk of dermatitis. May be absorbed through intact skin.

Eyes: Highly irritating and risk of irreversible damage.

Ingestion: Harmful. May cause lung damage if swallowed.

No carcinogenic, mutagenic or genetic effects established

May have short term environmental effects. Contain, monitor & remove.

Section 4: FIRST AID MEASURES

Inhalation: Move to fresh air. In case of discomfort seek medical attention.

Skin: Drench with water. Remove contaminated clothing. Use a skin cleaner. In severe cases refer to Doctor.

Eyes: Rinse immediately with plenty of water. Refer immediately to Doctor.

Ingestion: DO NOT INDUCE VOMITING. Get immediate medical attention.

Section 5: FIRE FIGHTING MEASURES

Flammable with toxic fumes.

Containers can burst in a fire. Can form explosive vapour/air mixture. Static discharge hazard!

Foam. CO2. Dry powder. Fog to cool and control. Do NOT use water jets.

Cool containers in case of fire.

Section 6: ACCIDENTAL RELEASE MEASURES

Contain & collect. Use an inert material such as sand – NOT sawdust. Keep out of drains & sewers.

Section 7: HANDLING AND STORAGE

Store separately from any reactive substances – oxidizers in particular.

No open flames. No smoking.

Keep containers cool. Avoid free fall of liquid – use earthing.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

SAPMA Rating: 2-H-E PPE: Respirator and Eye Protection

Inhalation: In case of insufficient ventilation, use suitable respiratory protection.

Skin: AVOID CONTACT. Use impervious gloves, apron and boots.

Eyes: Use goggles. Avoid direct contact.

Ingestion: Observe the rules of hygiene. Wash before eating or drinking.



Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Chemical class: Paint, Description: Low viscosity liquid, Smell: Pungent

Boil. Pt (°C): >123

FlashPoint (°C) : >27

Density : 0.970 kg/lt

Section 10: STABILITY AND REACTIVITY

Stable under normal conditions

Could generate static – USE EARTHING

Inert – No reaction with fire-fighting water

Section 11: TOXICOLOGICAL INFORMATION

No carcinogenic, mutagenic or genetic effects established

Section 12: ECOLOGICAL INFORMATION

May have short term environmental effects. Contain, monitor & remove.

Section 13: DISPOSAL INFORMATION

Use approved waste contractors. Destroy containers or use approved reconditioners

Section 14: TRANSPORT INFORMATION

Paint contains flammable material

Hazchem: 3[Y]E



Section 15: REGULATORY INFORMATION

EC no.: n/a Contains: XYLENE/ ESTERS

EC Classification: - XN R10,20/21,65,38 S36/37,02,13,43A,51,62

R10 – Flammable

R20/21 – Harmful by inhalation and contact with the skin

R65 – Harmful: May cause lung damage if swallowed.

R38 – Irritating to the skin

S36/37 – Wear suitable protective clothing and gloves

S2 – Keep out of reach of children. (Retail sales items)

S13 – Keep away from food, drink and animal feeding stuffs

S43A – In case of fire, use water fog, foam or powder – do not use water jets!

S51 – Use only in well ventilated areas

S62 – If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.



Section 16: OTHER INFORMATION

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.

IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.

Part B

Section 1: IDENTIFICATION OF THE SUBSTANCE

Name : Isocyanate Catalyst

Date Issued : 21-06-22

Hazchem: 3[Y]E SAPMA : 2-H-G

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family: Aliphatic polyisocyanate in organic solvent.

Chemical name: 1,6 Hexamethylene Diisocyanate based polyisocyanate in organic solvent.

Section 3: HAZARDS IDENTIFICATION

SAPMA Health Rating : 2-MODERATE – Temporary or minor injury possible even if treatment given.

Inhalation: HARMFUL. Excessive exposure to this material must be avoided.

Skin: Highly irritating. Risk of dermatitis. May be absorbed through intact skin.

Eyes: Highly irritating and risk of irreversible damage.

Ingestion: Harmful. May cause lung damage if swallowed.

No carcinogenic, mutagenic or genetic effects established. No information available.

Environmental effects. Contain, monitor & remove.

Section 4: FIRST AID MEASURES

Inhalation: Move to fresh air. In case of discomfort seek medical attention.

Skin: Drench with water. Remove contaminated clothing. Use a skin cleaner. In severe cases refer to Doctor.

Eyes: ACT FAST! Rinse immediately with plenty of water. Refer immediately to Doctor.

Ingestion: DO NOT INDUCE VOMITING. Get immediate medical attention.

Section 5: FIRE FIGHTING MEASURES

Flammable with toxic fumes.

Containers can burst in a fire. Can form explosive vapour/air mixture. Static discharge hazard!

Foam. CO2. Dry powder.

Cool containers in case of fire.

Section 6: ACCIDENTAL RELEASE MEASURES

Contain & collect. Use an inert material like soil, sand – NOT sawdust. Keep out of drains & sewers.

Section 7: HANDLING AND STORAGE

Store separately from any reactive substances – oxidizers in particular.

No open flames. No smoking.

Keep containers cool. Avoid free fall of liquid – use earthing.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

SAPMA Rating: 2-H-G PPE: Respirator and Eye Protection

Inhalation: In case of insufficient ventilation, use suitable respiratory protection.

Skin: AVOID CONTACT. Use impervious gloves, apron and boots.

Eyes: Use goggles. Avoid direct contact.

Ingestion: Observe the rules of hygiene. Wash before eating or drinking.



Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Chemical class: Catalyst for paint, Description: liquid, Smell: Pungent

Boil. Pt (C): >123°C

FlashPoint (C) : >27°C

Ignition Temperature: 495°C, Density: 1.011kg/l

Section 10: STABILITY AND REACTIVITY

Stable under normal conditions

Could generate static – USE EARTHING

Hazardous decomposition product: CO₂, Carbon monoxide, toxic smoke/fumes.

Section 11: TOXICOLOGICAL INFORMATION

No carcinogenic, mutagenic or genetic effects established on normal exposure but for chronic exposure and inhalation:

Chronic Inhalation

For Product: Desmodur N75

As a result of previous repeated overexposure or a single large dose, certain individuals may develop sensitization to diisocyanate or polyisocyanate (asthma or asthma-like symptoms) that may cause them to react to later exposure to diisocyanate or polyisocyanate at levels well below the exposure limits or guidelines. These symptoms, which can include chest tightness, wheezing, cough, shortness of breath or asthmatic attack, could be delayed up to several hours after exposure. Extreme asthmatic reactions can be life threatening. Similar to many non-specific asthmatic responses, there are reports that once sensitized an individual can experience these symptoms upon exposure to dust, cold air, or other irritants. The increased lung sensitivity can persist for weeks and in severe cases for several years. Sensitization can be permanent. Chronic overexposure to diisocyanate has also been reported to cause lung damage (including fibrosis, decrease in lung function) that may be permanent. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling solvents may be harmful or fatal.

For Component: n-Butyl Acetate

Chronic exposure to organic solvents has been associated with various neurotoxic effects including permanent brain and nervous system damage.

Section 12: ECOLOGICAL INFORMATION

Not readily biodegradable. Contain, monitor and remove.

Section 13: DISPOSAL INFORMATION

Use approved waste contractors. Destroy containers or use approved reconditioners. Do not pour unwanted thinners down the drain.

Section 14: TRANSPORT INFORMATION

Resin solution (contains n-Butyl Acetate, Hexamethylene – 1,6 – diisocyanate)

Hazchem: 3[Y]E

Hazard label: Flammable liquids



Section 15: REGULATORY INFORMATION

EC Classification: - R10,20/21,65,38 S36/37,S02,13,43A,51,62

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R20/21 – Harmful by inhalation and contact with the skin

R65 – Harmful: May cause lung damage if swallowed.

R38 – Irritating to the skin

S36/37 – Wear suitable protective clothing and gloves

S2 – Keep out of reach of children. (Retail sales items)

S13 – Keep away from food, drink and animal feeding stuffs

S43A – In case of fire, use water fog, foam or powder.

S51 – Use only in well ventilated areas

S62 – If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.



Section 16: OTHER INFORMATION

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.

IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.