



Material Safety Data Sheet

Product Name: EcoThane

Revision Date: December 2017

Manufacturer Identification:

ECOTHANE is a cold liquid applied, single component, polyurethane-based, UV stable coating system.

Ingredient information:

Ingredient	CAS No	EC No	Percent	Symbol	Risk
Aromatic Polyisocyanate	26471-62-5		<0.5	T +	26-36/37/38-40
Xylene	1330-20-7		8	Xn	10-20/21-38

Health Hazard Information:

Skin Contact:

The cool material will cause minor skin irritation. The degree of the injury will depend on the amount of material that gets on the skin and the speed and thoroughness of the first aid treatment.

Eye Contact:

The material will cause minor eye irritation. Signs and symptoms may include, pain, tears, swelling, redness and blurred vision.

Inhalation:

If inhaled, this substance can be unpleasant and may produce nausea and irritation of the upper respiratory tract.

First Aid:

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**Eye Contact:**

Flush eyes, including under eyelids, with running water for at least fifteen minutes. Get medical attention.

Skin Contact:

The solidified material forms the skin or use solvents or thinners to dissolve it. Flush exposed area with water while removing contaminated clothing. Get medical attention if irritation persists.

Inhalation:

If there are signs or symptoms of aerosol exposure (respiratory tract irritation, headache, dizziness, nausea, gastrointestinal disturbances, coughing, a sensation of dryness or pain in the nose, throat and chest, confusion and unconsciousness), move the person to fresh air. If breathing has stopped, apply artificial respiration. Call a doctor.

Swallowing:

Do not induce the patient to vomit, seek medical advice.

Ingestion:

Keep head below the waist. Contact a physician or Poison Control Center. Never give anything by mouth to a person who is unconscious or having convulsions.

Fire and Explosion Data:**Extinguishing Media:**

Dry chemical, water, foam, CO₂.

Hazardous Decomposition Products:

Carbon Monoxide and Carbon Dioxide and Hydrogen Isocyanate.

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Special Fire Fighting Producers:

If entering a confined area, fire fighters should wear a NIOSH approved self-contained breathing apparatus.

Spill or Leak Producers:

Spillages should be dealt with spillage kits. Pump liquid to containers or storage vessel. Soak up residue with absorbent material. Scoop contaminated absorbent and diking material into containers for disposal.

Waste Disposal Method:

Recovered materials may be blended with aggregate and used for patching or other maintenance use. Other wastes should be disposed of according to federal, state, and local regulations.

Special Precautions or Other:

Do not allow to freeze.
Do not store in excess of 50°C.
Protect container from physical damage.

Special Protection Information:

Wear impervious gloves and safety glasses to prevent contact with the skin and eyes. If repeated or prolonged contact with liquid is likely, wear protective clothing including boots, apron, and face shield or splash goggles. Remove contaminated clothing immediately and do not reuse until it has been properly laundered.

Eye wash stations and safety showers should be available in use and handling areas. Contact lenses pose a special hazard; soft lenses may absorb and all lenses concentrate irritants.

Respiratory Equipment: If respiratory respiration is required, use an A2 – P2 mask.

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Physical Data:

Description:

Liquid with organic odor.

Boiling Point:

270° C.

Flash Point:

above 22° C.

Specific Gravity:

1.40 gr / cm³.

Water Solubility:

Slightly. Reaction with water.

Reactivity Data:

This material is stable in closed containers at room temperature under normal storage and handling conditions.

It is polymerized at upper 260°C. Exothermic reaction with amines and alcohol's; reacts with forming, CO₂, in closed containers of bursting owing to increase of pressure.

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Health Hazard Data:

Eyes:

Irritation, causes slight temporary Redding and swelling of the conjunctiva.

Skin:

Mild irritation. repeated or prolonged contact can cause dry scaly dermatitis. Breathing: Respiratory irritation, nausea, dizziness, and headache.

Swallowing:

Stomach irritation, nausea, and vomiting.

Inhalation health risks and symptoms of exposure N/A Ingestion health risks and symptoms of exposure N/A Skin absorption health risks and symptoms of exposure Prolonged or repeated contact with this product may cause skin irritation and dermatitis.

Ecological Information:

Immiscible in water. Reacts with water at the interface producing CO₂ and forming a solid and insoluble product with high melting point. This reaction is accelerated by surfactants or by water-soluble solvents. Previous experience shows that polyurea is inert and non-degradable.

Disposal Considerations:

Disposal of residues according to municipal, provincial or federal laws for disposal of chemicals. Do not dispose of by means of sinks, drains, or in the immediate environment. Empty drums should be completely drained, properly bunged, and returned to a drum reconditioner. Drill a hole in the bottom of empty pails to prevent drowning of small children.

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Transport information:

Un Number: 1307
Un Class : 3.2

Transport Name:

Flammable Liquid.

Caution Symbol:

Xn

Declaration for land shipment:

1866, Resin solution

Declaration for sea shipment:

Resin solution

Declaration for air shipment:

Resin solution
Slightly smelling.
Avoid heat above +50°C.
Keep dry.
Keep away from food stuffs, acids and alkalis.
Not restricted under IATA regulations.

Regulatory information:

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Caution Symbol:

Xn

Composition:

Polyisocyanate

Risk and Safety Statements:

Flammable
Harmful by inhalation
Irritating to eyes, respiratory system and skin
Limited evidence of a carcinogenic effect
May cause sensitization by inhalation and skin contact
Harmful; danger of serious damage to health by prolonged exposure through inhalation

Safety Phrases:

Keep out of reach of children
Keep in a cool place
Keep container tightly closed
Keep away from heat
Keep away from sources of ignition - No smoking
Do not breathe vapor/gas/fumes/spray
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)
Avoid contact with skin and eyes
Wear suitable protective clothing and gloves
In case of insufficient ventilation, wear suitable respiratory equipment
In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)
Contains: 4,4'-Methylenediphenyl diisocyanate

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Other information:

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