

MATERIAL SAFETY DATA SHEET

According to applicable EC directive

Product Name : BAYCOLASTIC-RC500

Print Date : 02.02.2016
Version : 02

1- DEFINITION OF THE MATERIAL

Product Name : Baycolastic-RC500
Product Use : Polyurethane Liquid Applied Waterproofing Membrane

Manufacturer / supplier : AB-SCHOMBURG YAPI KIMYASALLARI A.Ş.
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2- INFORMATION ABOUT COMPOSITION

Aromatic polyisocyanate solution

Diisocyanatotoluene (mixture of isomers)	Weight -%: 0.1-0.5
CAS No: 26471-62-5 (584-84-9/ 91-08-7)	Index: Xn
Index No: 615-006-00-4	R-Phrases: 20-42
Xylene Isomers mixture	Weight -%: 10-25
CAS – No: 1330-20-7	Index: Xn
Index No: 601-022-00-9	R-Phrases: 20/21
n-Butyl acetate	Weight-%: 0.5-2.5
CAS No: 123-8-4	R-Phrases: 10, 66, 67
Index No: 607-025-00-1	
Aerosil 200	Weight-%: 0.5-2.5
CAS No: 67762-90-7	

3- HAZARD IDENTIFICATION

General

Flammable. Contains Isocyanates. See information supplied by manufacturer. Only for professional use.

Skin Hazards

Harmful by contact with skin.

Eye Hazards

Causes eye irritation

Inhalation Hazards May cause sensitisation by inhalation.

For their own protection, persons who suffer from hypersensitivity of the respiratory tract (e.g. asthmatics and chronic bronchitis sufferer) should avoid handling this product.

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4- FIRST AID CRITERIA

General

Take off immediately all contaminated clothing.

Inhalation

If aerosol or vapour is inhaled in high concentrations, take the person into the fresh air and keep him warm, let him rest: if there is difficulty in breathing, medical advice is required.

Skin contact

After contact with skin, wash immediately with plenty of water and soap.

Eye contact

Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids open. A doctor should be consulted immediately.

Swallowing

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

5- FIRE FIGHTING MEASURES

Extinguishing media: CO₂, foam, dry powder.

In cases of larger fires, water spray should be used.

Further information: In case of fire, formation of carbon monoxide, nitrogen oxide, amines, isocyanate vapour, and traces of hydrogen cyanide is possible. Fire men have to wear self-containing breather apparatus.

6- ACCIDENTAL RELEASE MEASURES

Put on protective equipment.

Do not empty into drains.

Remove mechanically. Cover remains with damp, fluid-binding material (sand, sawdust, chemical binder

based on calcium silicate hydrate). Transfer to waste container after approx. 1 hour and do not seal (CO₂ formation). Keep damp and in the open air in a safe place for 7 to 14 days.

Waste should be disposed of as described in: Advice on Disposal".

7- HANDLING AND STORAGE

Storage: Keep container tightly closed and dry. Avoid exposure to temperatures above 40 °C and below 5°C. Keep away from foodstuffs, drinks and tobacco.

Handling: Keep away from fire sources. Do not smoke.

Observe the usual precautionary measures for chemicals.

Precautions should generally be taken against electrostatic charges according to the equipment used and the way the product is handled and packed.

Ensure efficient ventilation. In all areas where products, like aerosols and /or vapour concentrations, are produced, exhaust ventilation must be provided. The air should be drawn away from the personnel handling the product, and the efficiency of the exhaust equipment should be periodically checked.

Explosion protection not required.

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8- EXPOSURE CONTROLS / PERSONAL PROTECTION

2,4/2,6-di-isocyanatotoluene: 0.005 ml/m³ (ppm) corresp. to 0.035 mg/m³ (eight hours average value)

CAS No: 584-84-9/91-08-7 Maximum limit of excess factor 4

Remark: 35, 36

Xylene (al isomers): 100 ml/m³ (ppm) corresp. to 440 mg/m³ (eight hours average value)

CAS No: 1330-20-7 Maximum limit of excess factor 4

Remark: H (=can be absorbed through the skin), DFG

n-Butyl acetate: 100 ml/m³ (ppm) corresp. to 480 mg/m³ (eight hours average value)

CAS No:123-86-4 Maximum limit of excess factor 1

Remark: 37, DFG

For technical protective measures to limit exposure see also " Handling and storage".

Respiratory protection: Respiratory protection is required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work a charcoal or A2-P2 filter is recommended.

Hand protection: Protective gloves for chemicals made out of fluorinated or butyl rubber.

Eye protection: Goggles/face protection.

Body protection: Protective clothing.

Keep away from foodstuffs, drinks and tobacco. Keep working clothes separate. Wash hands before breaks and at end of work. Take off immediately all contaminated clothing.

9- PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form: Viscous liquid

Colour: White, terracotta-red, green, grey, black, etc

Odour: Smell of solvent

Setting point: <0°C

Ignition temperature: >200°C

Flash Point: >25°C

Viscosity at 23 °C: >90 s, according ISO 2431:1993 with 6mm nozzle

Solvent Separation: <3%, according UN Manual of Tests and Criteria, Section III, 32.5.1

Density: 1.37-1.46 g/ml (depending on colour)

Solubility in water: insoluble reacts as described in Paragraph 10

Explosion limits: Liquid product is not explosion dangerous, but explosive air/vapour mixtures can be formed

10- STABILITY AND REACTIVITY

Hazardous decomposition products: No hazardous decomposition products when stored and handled correctly.

Hazardous reactions: Exothermic reaction with amines and alcohols; reacts with water forming CO₂, inclosed containers risk of bursting owing to increase of pressure.

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11- TOXICOLOGICAL INFORMATION

Acute toxicity: LD50 oral, rat: >5000mg/kg

Effects on the eyes: Causes slight temporary reddening and swelling of the conjunctiva and slight reversible clouding of the cornea.

Effects on the skin: In case of longer contact with skin, tanning and irritating effects are possible.

Effect on the respiratory organs: Aromatic hydrocarbons, as xylene, irritate the skin and mucous membranes and are narcotic if inhaled in high concentrations.

Delayed appearance of the symptoms and allergic reaction in susceptible persons possible.

12- ECOLOGICAL INFORMATION

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

13- DISPOSAL INFORMATION

European Code of Waste Designation (European Waste Catalogue (EWC)):

080409 Liquid (not cured) - Adhesive and Sealants containing organic solvents or other dangerous substances.

080410 Solid (cured) - Adhesive and Sealants wastes, except these that fall under 080409.

Disposal: In accordance with international, national or local Residue Management Regulations.

After final product withdrawal, all residues must be removed from containers (drip-free). Once the product residues adhering to the walls of the containers have been rendered harmless, the product and the hazard labels must be invalidated. Containers must be recycled in compliance with national legislation and environmental regulations.

14- TRANSPORTATION INFORMATION

Transport only in accordance with ADR for road, RID of rail, IMDG for sea and ICAO/IATA for transport.

Landtransport ADR/RID and GGVS/GGVE

ADR/RID Class: NO GOODS OF CLASS 3
If capacity of receptacles more than 450 litres, then declared class 3, 31C.

Seatransport IMDG/GGVSee

IMDG/GGVSee Class: NO GOODS OF CLASS 3
If capacity of receptacles more than 450 litres, then declared class 3, 31C.

Airtransport ICAO-TI and IATA-DGR

ICAO/IATA Class: 3 No. 31C

UN/ID No: 1866

Warning sign: 3

Packing Group: III

Declaration for air shipment: RESIN SOLUTION

Proper shipping name: 1866, RESIN SOLUTION

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15- REGULATORY INFORMATION

Label ing in accordance with Annex I of directive 67/548/EEC and its amendments and adaptations:

Symbol: Xn, hazard description: harmful

Contains: Isocyanates, See information supplied by the manufacturer.

R10: Flammable

R20: Harmful by inhalation.

R21: Harmful at contact with skin

R42: May cause sensitisation by inhalation.

S23: Do not breathe vapour/spray.

S24: Avoid contact with skin.

S36/37/39: Wear suitable protective clothing, gloves and goggles.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S45: In case of accident or if you feel unwell, seek medical advice immediately.

(Show this label where possible) Warning symbols : none

Hazard sentences (R) : none

Caution recommendation (S) : none

16- OTHER INFORMATION

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.