



Quality Tools for Smart Cleaning

EU SAFETY DATA SHEET

According to EC Directive 2001/58/EC

Unger Mixed Bed Resin

Date of issue: 01.05.2011

1 – Identification of Substance/Mixture and of the Company/Undertaking

Material/Trade Name : DIP25, DIB25, DIB61, DIB64
Material type : Mixed Bed Resins
Company : Unger Germany GmbH
Address : Piepersberg 44, D-42653 Solingen, Germany
Telephone : 0049 (0)212 / 2207 0
Fax : 0049 (0)212 / 2207 222
E Mail Address : unger europe@ungerglobal.com

2 – Hazards Identification

Classification of the substance or mixture

According to Regulation (EC) No. 1272/2008

Skin irritation (Category 2)

Eye irritation (Category 2)

Specific target organ toxicity - single exposure, Inhalation (Category 3)

According to European Directive 67/548/EEC as amended

Irritating to eyes, respiratory system and skin

3 – Composition/Information on Ingredients

CAS No.	EC No.	Index No.	Classification	Concentration
Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, chloromethylated, trimethylamine-quaternized, hydroxide				
69011-18-3	n/e	-	Eye Irrit. 2 H319 Xi; R36	
Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, sulphonated				
69011-20-7	n/e	-	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3 H315, H319, H335 Xi; R36/37/38	

For the full text of the H-Statements & R Phrases mentioned in this Section, see Section 16.

4 - First-aid Measures

Inhalation:

Remove to fresh air and rest. If recovery is not rapid call for prompt medical attention. Show this safety data sheet to medical personnel.

Eyes

Irrigate with water for at least 15 minutes. Take care not to wash chemical from one eye to another. Get prompt medical attention.

Skin

Remove contaminated clothing. Wash with soap/cleanser and rinse with plenty of water. If irritation persists, obtain medical attention.

Ingestion

Do not induce vomiting. Give plenty of water to drink. Beware of aspiration if vomiting occurs. Seek prompt medical attention.



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5 - Fire-fighting Measures

Suitable Extinguishers

Use media such as alcohol/aqueous foam, dry chemical, or carbon dioxide or water spray/fog. For large fires, solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Unsuitable Extinguishers

None

Hazardous Decomposition

Toxic fumes and combustion products may be produced in a fire

Special Procedures/information for firefighters

Do not breathe decomposition products and fumes. Use approved self-contained breathing apparatus. Wear fire retardant clothing. Use water spray to cool containers. Large fires should only be dealt with by trained personnel.

6 - Accidental Release Measures

Personal Protection and Precautions

Use suitable personal protective equipment (refer to Section 8 for details). Avoid breathing dusts or aerosols. Ensure adequate ventilation.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains or watercourses.

Containment, Cleaning up and Disposal Considerations

Absorb in inert material such as sand or non-combustible absorbent granules

Scoop up and place in plastic container to await transfer

Refer to Section 13 for further information regarding disposal.

7 - Handling and Storage

Handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage

Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

8 - Exposure Controls/Personal Protection

Occupational Exposure Limits: Not Assigned

Respiratory Protection

Use in well ventilated areas. Use mechanical ventilation if possible. If significant dust generated and mechanical ventilation is not available or not possible then use a respirator with filter type P to Standard EN14387, EN149 or equivalent.

Hand Protection

Wear Nitrile, Polythene, PVC or PVA gloves to Standard EN 374 (breakthrough time for total immersion is greater than 8 hours).

Eye Protection

Wear suitable eye protection such as safety glasses or goggles to Standard BS EN 166 if splash or eye contact likely.

Skin Protection

Wear suitable overalls or apron and change if contaminated After contact with skin wash off immediately. Wash hands before breaks and immediately after using the product.



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9 - Physical & Chemical Properties

Appearance	: Yellow/black solid beads in water	Autoflammability	: >500°C
Odour	: None	Explosive properties	: n/e
pH	: n/e	Oxidising properties	: None
Boiling point/range	: n/e	Vapour pressure	: Negligible
Melting point/range	: n/e	Relative density	: 1.2 at 20°C
Flash point	: n/e	Solubility	: Insoluble in water
Flammability	: NON -FLAMMABLE	Partition Coefficient	: n/e
		Vapour Density	: n/e
		Viscosity	: n/e
		Evaporation rate	: 1 (water)

10 - Stability and Reactivity

Chemical Stability

Stable at normal temperatures and under recommended storage conditions.

Conditions to Avoid

High temperature (>200°C), sources of ignition & direct sunlight.

Materials to Avoid

Oxidising agents.

Hazardous Decomposition Products

No hazardous decomposition products when stored and handled correctly. Hazardous decomposition products formed under fire conditions include variable amounts of alkylbenzenes, vinylbenzenes, aphenalene, benzaldehydes, phenol, carbon dioxide, water, organic amines, chlorine, nitrogen oxides, ammonia and methyl chloride.

11 - Toxicological Information

Acute toxicity

No data available

Skin corrosion/irritation

Skin irritant

Serious eye damage/eye irritation

Eye irritant

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

Genotoxicity in vitro - Ames test - S. typhimurium - negative

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

Respiratory irritation

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

Unlikely to enter airways if swallowed.

Potential health effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion. May be harmful if swallowed.

Skin Causes skin irritation.

Eyes Causes serious eye irritation.

Signs and Symptoms of Exposure



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Contact with eyes can cause: Redness, Blurred vision, Provokes tears.; Contact with skin may cause skin irritation and irritation/ dermatitis; Inhalation may cause reversible respiratory tract irritation.

12 - Ecological Information

Toxicity

No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

PBT and vPvB assessment

No data available.

Other adverse effects

Not expected to be harmful to aquatic organisms. Avoid release to the environment. Do not empty into drains.

13 - Disposal Considerations

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

14 - Transport Information

ADR/RID

Not Classified as Dangerous goods for transport

IMDG

Not Classified as Dangerous goods for transport

IATA

Not Classified as Dangerous goods for transport

15 - Regulatory Information

Label Elements
Pictogram(s)


Signal Word Warning

Hazard Statement(s)

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary statement(s)

P261 Avoid breathing dust/vapours/spray.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazard Symbol(s)




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Risk-phrase(s)

R36/37/38 Irritating to eyes, respiratory system and skin

Safety phrase(s)

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

S36 Wear suitable protective clothing.