

Material Safety Data Sheet

according to 91/155/EEC

Product name : CONIPUR 261, PART B
261_B
Revision : 19.08.2003 **Version :** 6.0.0
Print date : 19.08.2003

01. Identification of substance, preparation and company

Product name : CONIPUR 261, PART B (920-2567-0162)
261_B
Manufacturer/Supplier : CONICA Technik A Division
of MBT (Schweiz) AG
Street/P.O.Box : Industriestrasse 26
Country code/Postal code/Town/City : CH-8207 Schaffhausen
Telephone : +41-52-644-2525
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Emergency information : +41-52-644-2513 (Notfallauskunft) +41-1-2515151
(Schweizerisches Tox-Zentrum)

02. Composition/information on ingredients

Chemical characterization

Aliphatic polyisocyanates

Hazardous components

HEXAMETHYLENE-DIISOCYANATE ; EC-No. : 212-485-8 ; CAS-No. : 822-06-0

Percentage : 0.1 - 0.5 %

Classification : T ; R 23 R 42/43 Xi ; R 36/37/38

03. Hazards identification

Hazard designation

May cause sensitization by skin contact · Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification : R 43 · R 52/53

04. First-aid measures

After inhalation

Take the casualty into the fresh air and keep warm. Keep at rest. Irregular breathing/no breathing: artificial respiration.
Unconsciousness: lateral position - call a physician.

After skin contact

Immediately remove all contaminated clothing. Wash away with soap and water and rinse. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Contact a doctor immediately. Keep at rest. Do not induce vomiting.

05. Fire-fighting measures

Suitable extinguishing media

Alcohol resistant foam, CO₂, powders, water spray.

Unsuitable extinguishing media

Waterjet.

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

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Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. During fires carbon monoxide, nitrogen oxide, isocyanate vapour and traces of hydrogen cyanide may be given off.

Special protective equipment

Appropriate breathing apparatus may be required.

Additional information

Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

06. Accidental release measures

Personal precautions

Remove ignition sources. Provide for sufficient ventilation. Do not inhale the vapour. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

Methods for cleaning up/collecting

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Subsequently put in the waste container. Do not seal (CO₂ may be given off).

07. Handling and storage

Information for safe handling

Provide for fresh air ventilation. Do not inhale the vapour. Avoid contact with skin and eyes. Do not eat or drink during work - no smoking. Comply with the health and safety at work laws.

Information about protection against explosions and fires

No particular measures required.

Requirements to be met by storerooms and containers

Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Information about separation of incompatible products

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Containers should be kept dry and sealed. Avoid heating over 50°C. Avoid cooling to under 0°C.

Storage class (VCI) : 10

08. Exposure controls and personal protection

Additional information about engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of vapours or particles below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn. Allergics and persons who have problems with the respiration tract are not recommended to work with this product.

Components with critical values that require monitoring at the workplace (exposure limits)

HEXAMETHYLENE-DIISOCYANATE ; CAS-No. : 822-06-0

Specification : TRGS 900 - maximum limit in the atmosphere at the workplace (D)

Value : 0.005 ppm / 0.035 mg/m³

Category : = 1 =

Version date : 01.03.2002

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Personal protective equipment

Respiratory protection

By spraying: air fed respirator. By other operations than spraying: in well ventilated areas, airfed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Hand protection

Protective gloves, PVC or rubber. , e.g. Butyl rubber After washing hands replace lost skin fat by fat containing skin creams.

Eye protection

Use safety glasses.

Body protection

Light protective clothing.

09. Physical and chemical properties

Image

Form : Liquid.
Colour : Light yellowish.
Odour : Characteristic.

Relevant safety data

Melting point / range :	(1013 hPa)	ca.	-23	°C	
Boiling point / range :	(1013 hPa)		inapplicable		
Flash point :		ca.	170	°C	DIN 53213
Vapour pressure :	(50 °C)	ca.	0.0001	hPa	
Density :	(20 °C)	ca.	1.13	g/cm ³	
Solvent-separation test :	(20 °C)		inapplicable		
Viscosity :	(23 °C)	ca.	2500	mPa.s	

10. Stability and reactivity

Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

Materials to avoid

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Exothermic reaction with amines and alcohols. In contact with water (moisture) CO₂ is formed which leads to an excess pressure in closed containers.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Experience on practice

Based on the properties of the isocyanate components and considering toxicological data on similar preparations, this preparation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL (=Occupational Exposure Limit). Repeated exposure may lead to permanent respiratory disability. Delayed reactions possible (breathing problems, coughs, asthma)

Additional toxicological information

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General

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Directive on Preparations (1999/45/EC).

12. Ecological information

Is converted in connection with water in a solid, insoluble and inert polyurea, liberating CO₂.

Additional ecological information

General ecological information

Do not empty into waters or drains.

13. Disposal considerations

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

Product

Recommendation

In accordance with local official regulations. Pass on to an appropriate incinerating plant or depository or recycling. Residue can be made harmless by reacting with a mixture of isopropanol, ammonia and water. Reaction promoted by detergents and water-soluble solvent.

Waste key

Disposal Code according to European Waste Catalog (EWC) please specify according to the use of product, e.g.: 080112
Waste from production, formulation, sales and application of paints and varnishes. Old paints and varnishes, not containing organic solvents or any other dangerous material.
Switzerland: Disposal code (VVS): 1650 Waste from paints, varnishes and adhesives without organic phase or solvent

14. Transport information

Land transport ADR/RID

Classification

Class : -

Maritime transport IMDG/GGVSea

Classification

IMDG-Code : -

Air transport ICAO-TI and IATA-DGR

Classification

Class : -

15. Regulatory information

Classification according to EEC directives

Danger symbol and danger designation



Xi ; Irritant

Hazard-determining components of labelling

POLYFUNCTIONAL ALIPHATIC ISOCYANATE (WGK=1) ; CAS-No. : 28182-81-2

R-phrases

43 May cause sensitization by skin contact
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

61 Avoid release to the environment. Refer to special instructions/Safety data sheets.
24 Avoid contact with skin

