

Date of issue: 26.10.2004	Trade name:	Page: 1/5
Reviewed on: 22.10.2010	PM-TPO, FLEX,RIGID,CLEAR	Version:2

1. Identification of substance, company:

- 1.1. Identification of substance: **PM-TPO, FLEX,RIGID,CLEAR– part B R 34374/72/76/79**
- 1.2. Application of the substance/the preparation: Putty for repairing plastics
- 1.3. Identification of manufacturer/Supplier:
RETECH, s.r.o.
Vackova 1541/4
150 00 Praha-5 Stodůlky
Telephone/Fax: +420 327 596 128, +420 596 428
Information: info@retech.cz
- 1.4. Telephone number for RETECH Suchdol 212, Suchdol u Kutné Hory
extraordinary situations: Tel.+420 327 596 128 (7.30-16.00 hour)
Toxicology information number, Na bojišti 1, 128 08 PRAHA 2
Tel. +420 224 919 293, +420 224 915 402 (24 hours a day)

2. Hazard identification: The product is labeled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.

2.1. Hazard designation:



2.2. * Information pertaining to particular dangers for man and environment:

Harmful by inhalation.
Irritating to eyes, respiratory system and skin.
Possible risks of irreversible effects.
May cause sensitization by inhalation and skin contact.
Harmful: danger of very serious damage to health by prolonged exposure through inhalation.

2.3. Additional information:

Vapour hazard is low at room temperature. If heated and sprayed high concentrations can be attained that could be hazardous on single exposure and may cause irritation of upper respiratory tract and lungs. Exposure to vapour may cause sensitization in susceptible individuals. contact with eyes may cause irritation with corneal injury. Reacts slowly with water to produce carbon dioxide which may rupture closed containers. This reaction accelerates at higher temperatures.

3. Composition/information on ingredients:

3.1. Description:

Mixture of the substances listed below with harmless additions.

3.2. * Dangerous components:

Chemical name	Contents(%)	Number CAS	Number ES	Cautionary symbol	R sentences
Diphenylmethane 4,4-diisocyanate	24-47	101-68-8	202-966-0	Xn	R20-36/37/38-40-42/43-48/20
Diphenylmethane 2,4-diisocyanate	2-6	5873-54-1	227-534-9	Xn	R20-36/37/38-40-42/43-48/20
Modified MDI	24-47	155662-82-1	-	Xn	R20-36/37/38-42/43
Diphenylmethane diisocyanate, isomeres and	10-24	9016-87-9	618-498-9	Xn	R20-36/37/38-42/43

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homologues					
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4. First aid measures:	
4.1. After inhalation:	Remove to fresh air and rest. Obtain medical attention and keep under observation for up to 48 hours as effects can be delayed.
4.2. After skin contact:	Remove contaminated clothing and shoes. Wash with soap/cleanser and rinse with plenty of water. If irritation persists, obtain medical attention. .
4.3. After eye contact:	Immediately irrigate with water for at least 10 -15minutes, obtain medical attention.
4.4. After swallowing:	Do not induce vomiting, wash out mouth with water and give a lot of water to drink. Obtain medical attention immediately.
4.5. General information:	-
5. Fire fighting measures:	
5.1. Suitable extinguishing agents:	Water in large quantities, foam, powder, dry chemical powder, carbon dioxide
5.2. For safety reasons unsuitable extinguishing agents:	Small quantities of water
5.3. Protective equipment:	Wear protecting clothes and oxygen-mask; fight the fire from a protected place.
5.4. Additional information:	May produce toxic vapours during combustion.
6. Accidental release measures:	
6.1. Person-related safety precautions:	Avoid breathing vaporous. Wear suitable protective clothing, keep unprotected person away. Keep away from ignition sources.
6.2. Measures for environmental protection:	Do not allow spill to enter drains and watercourses.
6.3. Measures for cleaning/collecting:	Absorb in inert material such as sand or absorbent granules. Scoop up and place in plastic container to await transfer. Dispose in accordance with local regulations. Wash spillage area with water and test for isocyanate vapours before allowing personnel into the area.
7. Handling and storage:	
7.1. Handling:	
Information for safe handling:	Wear suitable protective clothing, gloves and eye protection. Avoid breathing vaporous. Ventilate area. Do not drink, eat and smoke when using the product.
Information about protection against explosions and fires:	-
7.2. Storage:	
Requirements to be met by storerooms and containers:	Store in a cool, dry place at 5-25°C in tightly sealed containers. Contact with moisture liberates carbon dioxide gas, which can cause dangerous pressure build-up in closed containers.
Information about storage in one common storage facility:	-
Further information about storage conditions:	Suitable containers: Stainless steel, Mild steel Unsuitable containers: Copper, Copper alloy, Galvanized surfaces.
8. Exposure controls and personal protection:	
8.1. Validate parameter:	
Components with limit values that require monitoring at the workplace:	
Isocyanates(all):	
MEL:	0.02 mg/m3 (8 Hr TWA)

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Water hazard class 1 (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
Reaction with water produces insoluble polyurea, which is estimated from static laboratory conditions to have a low level of biodegradation. It is unlikely that significant environmental exposure in the air or water will arise.

Diphenylmethane diisocyanate, isomeres and homologues: LC50 Zebra Fish 96 hrs >1000mg/l
EC50 Daphnia magna 48 hrs >1000mg/l
IC50 E. Coli 48 hrs >100mg/l

Diphenylmethane 4,4-diisocyanate: LC50 Zebra Fish 96 hrs >1000mg/l
EC50 Daphnia magna 48 hrs >1000mg/l
IC50 E. Coli 48 hrs >100mg/l

13. Disposal considerations:

- 13.1. Product: Small quantities of waste should be reacted with polyol to neutralise prior to disposal. Empty drums should be decontaminated and scraped.
- 13.2. Uncleaned packaging: Dispose of neutralised residues by controlled incineration or approved landfill in accordance with local authority regulations. No not dispose of unreacted product down drains, sewers or watercourses.

14. Transport information:

- 14.1. Land transport: Not classified
ADR/RID-GGVs: -
- 14.2. Maritime transport: Not classified
IMDG-class: -
- 14.3. Air transport: Not classified
ICAO / IATA -class: -

15. Regulatory information:

- 15.1. Labelling according to law line:
The product has been labeled in accordance with EC Directives / relevant national laws.

* Danger of determining components and mark to labelling:
"Contains isocyanates. See information supplied by manufacturer."
Contains: Diphenylmethane-diisocyanate. May produce an allergic reaction.
Carc.Cat.3.

Labelling hazardousness:



Xn – Harmful

* Numbers and word reading associated hazard R-sentences :
R 20 Harmful by inhalation.
R 36/37/38 Irritating to eyes, respiratory system and skin.
R 42/43 May cause sensitisation by inhalation and skin contact.
R 40 Possible risks of irreversible effects.
R 48/20 Harmful: danger of very serious damage to health by prolonged exposure through inhalation.

* Numbers and word reading associated security S-sentences:

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- S 1/2 Keep lock up and out of reach of children.
S 23 Do not breathe vapours
S 36/37 Wear suitable protective clothing and gloves.
S 38 In case of insufficient ventilation, wear suitable respiratory equipment.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 56 Dispose of this material and its container at hazardous or special waste collection point.
S 63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

- 15.2. Used legislation:
European Regulation (EC) No 1907/2006 – REACH
European Regulation (EC) No 1907/2006 – REACH
European Regulation No 67/548EEC and 1999/45/EC

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.

Relative R-phrases:

- R 20 Harmful by inhalation.
R 36/37/38 Irritating to eyes, respiratory system and skin.
R 42/43 May cause sensitisation by inhalation and skin contact.
R 40 Possible risks of irreversible effects.
R 48/20 Harmful: danger of very serious damage to health by prolonged exposure through inhalation.

***Compared to the last version the data has been changed.**