

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product name: RIM 180-B
Product code: RIM 180-B

1.2. Relevant Identified uses of the substance or mixture and uses advised against

Use of substance: PC32: Polymer preparations and compounds.

1.3. Details of supplier of the safety data sheet

Company Name: Ru-bix Tooling Board
Venus Court
Hardwick Industrial Estate
King's Lynn
Norfolk
PE30 4HY
United Kingdom
Telephone: 01485 313 020
Email: ash.colvin@ru-bix.com

1.4 Emergency telephone number

Emergency telephone: 01485 313 020 (office hours only)

Section 2: Hazards identification

2.1 Classification of a substance or mixture

Classification under CLP: Resp. Sens. 1: H334; STOT RE 2: H373; Acute Tox. 4: H332; Aquatic Chronic 2: H411; Carc. 2: H351; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT SE 3: H335

Most important adverse effects: Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Harmful if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause respiratory irritation.
Suspected of causing cancer.
May cause damage to organs through prolonged or repeated exposure.
Toxic to aquatic life with long lasting effects.

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2.2. Label elements

Label elements:

Hazard statements: H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.
H373: May cause damage to organs through prolonged or repeated exposure.
H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environmental



Signal words: Danger

Precautionary statements: P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+352: IF ON SKIN: Wash with plenty of water/soap and water.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

Other hazards: Danger of serious damage to health by prolonged exposure.
PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

EINECS	CAS	PBT/WEL	CPL Classification	Percent
-	9016-87-9	-	Carc. 2: H351; Acute Tox. 4: H332; STOT RE 2: H373; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317	>20%

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DIPHENYLMETHANE-4,4'-DI-ISOCYANATE – REACH registered number(s): 01-2119457014- 47

202-966-0	101-68-8	-	Carc. 2: H351; Acute Tox. 4: H332; STOT RE 2: H373; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317	>20%
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REACTION MASS OF 4,4'MDI & 2,4'MDI – REACH registered number(s): 01-2119457015- 45

-	-	-	Acute Tox. 4: H332; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Resp. Sens. 1: H334; Skin Sens. 1: H317; Carc. 2: H351; STOT RE 2: H373	5-20%
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Section 4: First Aid measures

4.1. Description of First Aid measures

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin.
Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.
Consult a doctor.
- Eye Contact:** Bathe the eye with running water for 15 minutes.
Consult a doctor.
- Ingestion:** Wash out mouth with water.
Do not induce vomiting.
If conscious, give half a litre of water to drink immediately.
Consult a doctor.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.
Consult a doctor.

4.2. Most Important symptoms and effects, both acute and delayed

- Skin contact:** There may be mild irritation at the site of contact.
- Eye Contact:** There may be irritation and redness
- Ingestion:** There may be soreness and redness of the mouth and throat.
Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.
Drowsiness or mental confusion may occur.
- Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

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Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.
Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus.
Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind.
Mark out the contaminated area with signs and prevent access to unauthorised personnel.
Turn leaking containers leak-side up to prevent the escape of liquid.
If outside keep bystanders upwind and away from danger point.
Evacuate the area immediately.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.
Contain the spillage using bunding.
Alert the neighbourhood to the presence of fumes or gas.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand.
Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

6.4. Reference to the other sections

Refer to the other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precaution for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Do not handle in a confined space.
Avoid the formation or spread of mists in the air.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area.
Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

Workplace exposure limits:			Respirable dust:	
State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	0.02 mg/m ³	0.07 mg/m ³	-	-

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

UK	0.02 mg/m ³	0.07 mg/m ³	-	-
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DNEL/PNEC Values

DNEL/PNEC: No data available

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency

Hand protection: Impermeable gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

Environmental: The floor of the storage room must be impermeable to prevent the escape of liquids.

Section 9: Physical and chemical properties

9.1. Information on basic and chemical properties

State: Liquid

Colour: Pale brown

Odour: Barely perceptible odour

Evaporation rate: Negligible

Solubility in water: Reacts with water

Viscosity: Non-viscous

Kinematic viscosity: ≤20.5

Viscosity test method: Kinematic viscosity in 10⁻⁶ m²/s at 40°C (ISO 3104/3105)

Flash point °C: >93

Relative density: 1.13 g/cm³ at 20°C

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9.2. Other Information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat, hot surfaces and flames.

10.5. Incompatible materials

Materials to avoid: Strong oxidizing agents and strong acids.

10.6. Hazardous decomposition products

Hazardous decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

ORL	RAT	LD50	49	mg/kg
SKN	RBT	LD50	>9400	mg/kg

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

ORL	MUS	LD50	2200	mg/kg
ORL	RAT	LD50	9200	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. Tox. 4)	INH	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitization	INH DRM	Hazardous: calculated
Carcinogenicity	-	Hazardous: calculated
STOT - single exposure	INH	Hazardous: calculated
STOT - repeated exposure	-	Hazardous: calculated

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11.2. Symptoms/routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye Contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.
Drowsiness or mental confusion may occur.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialized disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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Section 14: Transport information

14.1. Transport class

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: Not applicable.

15.2. Chemical safety assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

16.1. Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Phrases used in s.2 and s.3: H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.
H373: May cause damage to organs through prolonged or repeated exposure.
H410: Very toxic to aquatic life with long lasting effects.
H411: Toxic to aquatic life with long lasting effects.

Legal disclaimer: Recommendations and technical information are provided in good faith, based on current knowledge and experience. However, due to variations in storage conditions, storage period, substrates and site conditions, no warranty in respect of fitness for purpose can be inferred from this information. The user must test the product's suitability for the intended application. Ru-bix Tooling Board is happy to provide free-issue samples for this purpose. All orders are accepted subject to our current terms of sale, a copy of which can be obtained from the Ru-bix office.