



# HEALTH & SAFETY PRODUCT INFORMATION

## REMA FILL

Article: 5171058 - Black

1.

Company Name and Address
<b>Head Office:</b> Rema Tip Top Holdings UK Ltd Westland Square, Leeds, West Yorkshire, LS11 5XS Telephone: +44 (0)113 2770044 Fax: +44 (0)113 2772139 Email: <a href="mailto:info@tip-top.co.uk">info@tip-top.co.uk</a>

2.

Composition/Information on ingredients				
Global description	<b>Expansion joint sealant and adhesive</b>			
Components that may contribute to hazards				
Name	CAS-Nr.	Symbol	RangeW/ W%	R-phrases
<b>Diphenylmethane4.4'Diisocyanate</b>	101-68-8	Xn	1-5	R20-36/37/38-42/43
	1305-78-8	Xi	1-2.5	R37/38-41
<b>Calcium Oxide</b>	64742-95-6	Xn	2.5-10	R10-37-51/53-65-66
<b>Solvent Naphta light aromatic</b>				

3.

Hazards identification	
Specific hazards	
R-phrases	Description
<b>42/43 52/53</b>	<b>May cause sensitization by inhalation and by skin contact Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment</b>

4.

First-Aid measures	
Inhalation	<b>Remove to fresh air, keep patient warm and at rest. If breathing irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advise.</b>

Skin	<b>Wash with plenty of soap and water, if necessary take off dirty clothing. Do not use solvents or thinners.</b>
Eyes	<b>Rinse with plenty of water for 10 minutes holding the eyelids open. Seek medical advice in all cases with the label.</b>
Ingestion	<b>Wash out mouth and seek medical advice with the label. Do not induce vomiting.</b>

5.

<b>Fire-Fighting measures</b>	
Extinguishing media	
Use	<b>Water Spray, CO<sub>2</sub> powders, foam</b>
Don't use	<b>Water jet</b>
Specific hazards	
<b>A fire will often produce a thick black smoke, exposure to which can be harmful to health.</b>	
Specific methods	
Protection of firefighters	
<b>Wear autonomous insulating breathing apparatus. Cool closed containers exposed to fire with water.</b>	

6.

<b>Accident release measures</b>	
Personal precautions	
<b>Ventilate the area. Avoid breathing vapours. Refer to protective measures listed in 7 and 8.</b>	
Environmental precautions	
<b>If the product contaminates lake, rivers and sewage, inform appropriate authorities in accordance with local regulations. Do not allow to enter drains or water courses</b>	
Methods for cleaning-up	
<b>Collect mechanically the preparation and place in container. One possible decontaminate comprises: Water/ethanol or IPA/Ammonia solution (45/50/5 by volume). Once this stage reached, close container and dispose according to local regulations. Do not allow to enter drains or watercourses.</b>	

7.

<b>Handling and storage</b>	
Handling	<b>Handle in well ventilated areas. Anyone with a history of asthma, allergies, chronic or periodic respiratory problems must on no account use these preparations. CO<sub>2</sub> will be formed which in closed containers can result in pressurization. Care should be taken when re-opening partly used containers. Avoid skin and eye contact and the inhalation of vapours. Smoking, eating, drinking should be prohibited in application area. Never use pressure to empty. Comply with the health and safety at work laws.</b>
Storage	<b>Keep tightly closed in a dry place. Store between +5 and +25° in a dry, well ventilated area. Keep away from oxidizing agent, from strongly acid materials as well as amines, alcohol's and water. No smoking, eating or drinking. Containers, which are opened, must be carefully resealed and kept upright to prevent leakage.</b>

8.

Exposure controls/personal protection			
Name	VLE (15mins)	VME (8/j)	
<b>Solvent Naphta light aromatic</b>		<b>50 PPM</b>	<b>254</b>
<b>DiphenylmethaneDiisocyanate</b>	<b>0.02PPM -</b>	<b>mg/m<sup>3</sup></b>	
<b>0.2mg/m<sup>3</sup></b>		<b>0.01 PPM</b>	<b>0.1 mg/m<sup>3</sup></b>
Protection <b>Anyone with a history of asthma, allergies, chronic or periodic respiratory problems must on no account use these preparations. Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.</b>			
Respiratory	<b>Ventilation and suitable approved masks in areas of high concentrations</b>		
Hand	<b>For prolonged or repeated handling, use polyvinyl gloves. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.</b>		
Eye	<b>Safety glasses</b>		
Skin and body	<b>Protective clothing</b>		

9.

Physical and chemical properties			
Physical state	<b>Paste</b>	PH	
Form	<b>Cartridge</b>	Log P octanol/water	<b>Not stated</b>
Colour	<b>Grey/White/Black</b>	Solubility in water	<b>No reaction</b>
Temperatures		Viscosity	-
Melting point		Vapour pressure	<b>&lt;110Kpa</b>
Boiling point	-	Vapour density	-
Flash point	<b>&gt;55°C</b>	Density	<b>1.15 @1.19g/ml</b>
Auto-ignition	-	Conductivity	
Explosion range	-	Odour	<b>Solvents</b>
Explosion range	-	VOC content	<b>7 to 8% weight</b>

10.

Stability and reactivity	
Conditions to avoid	
Materials to avoid	<b>Oxidizing agent, strongly alkaline acid materials</b>
Hazardous decomposition products	<b>During polymerisation: CO<sub>2</sub>, which in closed containers can result in pressurisation. In case of fire isocyanates, carbon monoxide and dioxide, smoke, nitrogen oxides, hydrogen chloride, hydrogen cyanide, sulfur dioxide.</b>

11.

Toxicological information	
LD/LC Values	<b>Diphenylmethane 4.4' diisocyanate</b>

	<b>LD50 Oral rat (mg/kg) &gt;15000 LD50 Dermal rabbit(mg/kg) LC50 Inhalation rat (mg/1/4h) 0.49</b>
Inhalation	<b>May cause acute irritation and 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.</b>
Skin	<b>Prolonged or repeated contact with skin may strip natural oil from skin causing non-allergic dermatitis on contact and absorption through the epidermis.</b>
Eyes	<b>Splashes in the eyes may cause irritation and reversible damage</b>
Ingestion	

12.

<b>Ecological information</b>	
<b>The preparation has been assessed following the conventional method of the Dangerous Preparations Directive (199/45/EC) and classified for ecotoxicological hazards accordingly. See chapters 2 and 15 for details. The product should not be allowed to enter the water courses.</b>	

13.

<b>Disposal considerations</b>	
Product	<b>Dispose in a safe manner in accordance with local / national regulations This product must not be allowed to run into drains or waterways.</b>
Packaging	<b>As chemical waste Disposal Code 080409</b>

14.

<b>Transport information</b>			
Special precautions			
Classifications			
Packing group	<b>Exempted</b>	UN-number	
Do not store near food	-	RID/ADR	
Sea contaminating	-	ICAD/IATA	
Shipping name	-	IMDG-code	

15.

<b>Regulatory information</b>	
EC-classification	
Contains	<b>DIPHENYLMETHANE 4.4'DIISOCYANATE</b>
Symbol	<b>Xn Harmful – contains isocyanates – see information supplied by the manufacturer</b>
R-phrase	<b>42/43 – May cause sensitization by inhalation and by skin contact 52/53 - Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment</b>
S-phrases	<b>2 – keep out of reach of children 23 – do not breathe vapours 36/37 – Wear suitable protective clothing and gloves</b>

	<p><b>45 – In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)</b></p> <p><b>46 – if swallowed seek medical advice immediately and show this container or label</b></p> <p><b>63 – In case of accident by inhalation remove casualty to fresh air and keep at rest</b></p>
--	---

16.

Other information		
Creation date	<b>01.05.09</b>	Production Management
Replace sheet of	<b>05.01.09</b>	<b>XXXXXXXXXX</b>
<p>The information in this Safety Data Sheet is required in accordance with 67/548/CE and 99/45/CE Professional Table : n°4bis, 62,84 Text of R-Statements listed in ingredient§2</p> <p><b>10 Flammable</b></p> <p><b>20 Harmful by inhalation</b></p> <p><b>36/37/38 Irritating to eyes, respiratory system and skin</b></p> <p><b>41 Risk of serious damage to eye</b></p> <p><b>42/43 May cause sensitization by inhalation and skin contact</b></p> <p><b>51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment</b></p> <p><b>65 Harmful may cause lung damage if swallowed</b></p> <p><b>66 Repeated exposure may cause skin dryness or cracking</b></p>		
<p>This leaflet is for general guidance only and may contain inappropriate information under particular conditions. Samples will be provided on request to enable customers to satisfy themselves as to the suitability of the product for any specific purpose and to assess the product under their own working conditions.</p>		