SAFETY DATA SHEET
CRL GUNther Premier Plus Mirror Mastic
According to Regulation (EU) No 453/2010

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME
CRL GUNther Premier Plus Mirror Mastic

PRODUCT NO.
GN105P

APPLICATION
Sealant.

SUPPLIER
C.R. Laurence of Europe
Charles Babbage Avenue
Kingsway Business Park
Rochdale
OL16 4NW
Local Tel: 01706 863600
Freephone: 00 800 0421 6144
Local Fax: 01706 869860
Freex: 00 800 0262 3299
crl@crlaurence.co.uk

EMERGENCY TELEPHONE
+44 (0)1706 863 600
Monday - Friday 08:00 - 17:00

2 HAZARDS IDENTIFICATION

May cause sensitisation by inhalation and skin contact.

CLASSIFICATION (1999/45) R42/43.

HUMAN HEALTH
May cause inhalation hypersensitivity (occupational asthma) in sensitive individuals.

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>EC No.</th>
<th>CAS-No.</th>
<th>Content %</th>
<th>Classification (67/548/EEC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM OXIDE</td>
<td>215-138-9</td>
<td>1305-78-8</td>
<td>&lt; 2.5%</td>
<td>Xi;R41.</td>
</tr>
<tr>
<td>DIPHENYLMETHANE-4,4’-DI-ISOCYANATE</td>
<td>202-966-0</td>
<td>101-68-8</td>
<td>&lt; 1.0%</td>
<td>Carc. Cat. 3;R40 Xn;R20,R48/20 Xi;R36/37/38 R42/43</td>
</tr>
<tr>
<td>DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSINE - UNSPECIFIED</td>
<td>265-149-8</td>
<td>64742-47-8</td>
<td>2-5%</td>
<td>Xn;R65</td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases is Displayed in Section 16

4 FIRST-AID MEASURES

NOTES TO THE PHYSICIAN
The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

INHALATION
Difficulty in breathing. Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention.

INGESTION
May cause discomfort if swallowed. Rinse nose, mouth and throat with water. Do not induce vomiting. Get medical attention.

SKIN CONTACT
Risk of sensitisation or allergic reactions among sensitive individuals. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT
Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA
Use: Alcohol resistant foam. Dry chemicals. Water spray, fog or mist.

SPECIAL FIRE FIGHTING PROCEDURES
No specific fire fighting procedure given.

UNUSUAL FIRE & EXPLOSION HAZARDS
No unusual fire or explosion hazards noted.

PROTECTIVE MEASURES IN FIRE
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS
Wear protective clothing as described in Section 8 of this safety data sheet. In case of inadequate ventilation, use respiratory protection.

ENVIRONMENTAL PRECAUTIONS
Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS
Stop leak if possible without risk. DO NOT touch spilled material! Avoid inhalation of vapours. The product will harden into a hard mass in contact with water and moisture. Shovel into dry containers. Cover and move the containers. Flush the area with water. Clean-up personnel should use respiratory and/or liquid contact protection. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS
Avoid spilling, skin and eye contact. Avoid inhalation of vapours.

STORAGE PRECAUTIONS
Store in tightly closed original container in a well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM OXIDE</td>
<td>WEL</td>
<td>2 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIPHENYLMETHANE-4,4'-DI-ISOCYANATE</td>
<td>WEL</td>
<td>0,02 mg/m³</td>
<td>0,07 mg/m³</td>
<td>Sen, as NCO</td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.
Sen = Capable of causing occupational asthma.

PROTECTIVE EQUIPMENT

ENGINEERING MEASURES
Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT
If ventilation is insufficient, suitable respiratory protection must be provided. Chemical respirator with organic vapour cartridge and full facepiece.

HAND PROTECTION
Wear protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION
Wear approved, tight fitting safety glasses where splashing is probable.

OTHER PROTECTION
Use engineering controls to reduce air contamination to permissible exposure level. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
CRL GUNTHER PREMIER PLUS MIRROR MASTIC

HYGIENE MEASURES
Promptly remove non-impervious clothing that becomes contaminated. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke. Wash hands after handling.

<table>
<thead>
<tr>
<th>9 PHYSICAL AND CHEMICAL PROPERTIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPEARANCE: Paste</td>
</tr>
<tr>
<td>COLOUR: Grey</td>
</tr>
<tr>
<td>ODOR: Characteristic</td>
</tr>
<tr>
<td>SOLUBILITY: Insoluble in water</td>
</tr>
<tr>
<td>BOILING POINT (°C): 190°C</td>
</tr>
<tr>
<td>RELATIVE DENSITY: 1.16 g/cm³ 20°C</td>
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<tr>
<td>FLASH POINT (°C): 70°C</td>
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</table>

<table>
<thead>
<tr>
<th>10 STABILITY AND REACTIVITY</th>
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</thead>
<tbody>
<tr>
<td>STABILITY: Stable under normal temperature conditions and recommended use. The product will harden into a hard mass in contact with water and moisture.</td>
</tr>
<tr>
<td>CONDITIONS TO AVOID: Water, moisture.</td>
</tr>
<tr>
<td>MATERIALS TO AVOID: Amines, Alcohols, glycols, Strong acids, Strong alkalis.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>11 TOXICOLOGICAL INFORMATION</th>
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</thead>
<tbody>
<tr>
<td>INHALATION: May cause sensitisation by inhalation. Repeated exposure may cause chronic upper respiratory irritation.</td>
</tr>
<tr>
<td>INGESTION: May cause discomfort if swallowed. Gastrointestinal symptoms, including upset stomach.</td>
</tr>
<tr>
<td>SKIN CONTACT: May cause sensitisation by skin contact. Liquid may irritate skin.</td>
</tr>
<tr>
<td>EYE CONTACT: Splashes may irritate. Spray and vapour in the eyes may cause irritation and smarting.</td>
</tr>
<tr>
<td>MEDICAL SYMPTOMS: High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12 ECOLOGICAL INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECOTOXICITY: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.</td>
</tr>
<tr>
<td>MOBILITY: The product will harden into a hard mass in contact with water and moisture.</td>
</tr>
<tr>
<td>BIOACCUMULATION: No data available on bioaccumulation.</td>
</tr>
<tr>
<td>DEGRADABILITY: There are no data on the degradability of this product.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>13 DISPOSAL CONSIDERATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISPOSAL METHODS: Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>14 TRANSPORT INFORMATION</th>
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<tbody>
<tr>
<td>GENERAL: The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).</td>
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</tbody>
</table>
15 REGULATORY INFORMATION

LABELLING

CONTAINS: DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

RISK PHRASES

R42/43 May cause sensitisation by inhalation and skin contact.

SAFETY PHRASES

S24 Avoid contact with skin.
S37 Wear suitable gloves.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S60 This material and its container must be disposed of as hazardous waste.
P4 Contains isocyanates. See information supplied by the manufacturer.

EU DIRECTIVES


STATUTORY INSTRUMENTS


APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

REVISION COMMENTS

This is first issue.

ISSUED BY
HS&E Manager.

REVISION DATE 09-2010

REV. NO./REPL. SDS 1

GENERATED

RISK PHRASES IN FULL

R20 Harmful by inhalation.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R65 Harmful: may cause lung damage if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin.
R40 Limited evidence of a carcinogenic effect.
R42/43 May cause sensitisation by inhalation and skin contact.
R41 Risk of serious damage to eyes.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.