SAFETY DATA SHEET
33S RANGE SILICONE SEALANT WITH FUNGICIDE

According to Regulation (EU) No 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name 33S RANGE SILICONE SEALANT WITH FUNGICIDE
Product No. 33SMRC, 33SMRC52GL, 33SMRC5GL, 33ST, 33ST52GL, 33ST5GL, 33STW, 33STW52GL, 33STW5GL, 33SW, 33SW52GL, 33SW5GL

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

Identified uses Sealant

1.3. Details of the supplier of the safety data sheet

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
Freefax: 00 800 0262 3299
crl@crlaurence.co.uk

1.4. Emergency telephone number

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

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Carc. Cat. 3; R40. Xi; R36/38. N; R51/53.

Human Health
Irritating to eyes and skin. Carcinogen Category 3.

Environment
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Contains: CARBON BLACK

Labelling

Harmful
Dangerous for the environment

Risk Phrases
R36/38 Irritating to eyes and skin.
R40 Limited evidence of a carcinogenic effect.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37 Wear suitable protective clothing and gloves.
## 2.3. Other hazards

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th><strong>Chemical</strong></th>
<th><strong>CAS-No.:</strong></th>
<th><strong>EC No.:</strong></th>
<th><strong>Concentration</strong></th>
<th><strong>Classification (EC 1272/2008)</strong></th>
<th><strong>Classification (67/548/EEC)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ALUMINIUM POWDER (STABILIZED)</strong></td>
<td>7429-90-5</td>
<td>231-072-3</td>
<td>0-1.0%</td>
<td>Flam. Sol. 1 - H228</td>
<td>F;R11,R15</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Water-react. 2 - H261</td>
<td></td>
</tr>
<tr>
<td><strong>CARBON BLACK</strong></td>
<td>1333-88-4</td>
<td>215-609-9</td>
<td>0-1.0%</td>
<td></td>
<td></td>
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<tr>
<td><strong>DIIDOMETHYL-p-TOLYSULFONE</strong></td>
<td>20018-09-1</td>
<td>243-468-3</td>
<td>&lt; 1%</td>
<td>Acute Tox. 2 - H330</td>
<td>T;R23.</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1 - H318</td>
<td>Xi;R41.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1 - H400</td>
<td>N;R50/53.</td>
</tr>
<tr>
<td><strong>ETHYLTRIACETOXYLSILANE</strong></td>
<td>17689-77-9</td>
<td>241-677-4</td>
<td>1.0-5.0%</td>
<td></td>
<td>C;R34.</td>
</tr>
<tr>
<td><strong>METHYLTRIACETOXYLSILANE</strong></td>
<td>4253-34-3</td>
<td>224-221-9</td>
<td>1.0-5.0%</td>
<td></td>
<td>Xi;R36/37/38.</td>
</tr>
<tr>
<td><strong>TITANIUM DIOXIDE</strong></td>
<td>13463-67-7</td>
<td>236-675-5</td>
<td>0-5.0%</td>
<td></td>
<td>Not classified.</td>
</tr>
</tbody>
</table>
SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation.
Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion
Rinse mouth thoroughly. DO NOT induce vomiting. Get medical attention immediately.

Skin Contact
Promptly wash contaminated skin with water. Promptly remove clothing if soaked through and wash the skin with water. Get medical attention if irritation persists 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.

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

Inhalation.
Vapours may irritate throat and respiratory system and cause coughing.

Ingestion
May cause discomfort if swallowed.

Skin Contact
Irritating to skin.

Eye Contact
Irritating and may cause redness and pain.

4.3. Indication of any immediate medical attention and special treatment needed

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media
Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Hazardous Combustion Products
Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO2). Formaldehyde. Oxides of: Silicon.

Unusual Fire & Explosion Hazards
No unusual fire or explosion hazards noted.

Specific Hazards
Not noted.

5.3. Advice for firefighters

Special Fire Fighting Procedures
Avoid breathing fire vapours. Keep up-wind to avoid fumes. Keep run-off water out of sewers and water sources. Dike for water control. Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.

Protective Measures In Fire
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.
6.4. Reference to other sections
Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Read and follow manufacturer's recommendations. Avoid contact with skin and eyes. Avoid inhalation of vapours. Provide good ventilation. Wash hands after handling.

7.2. Conditions for safe storage, including any incompatibilities
Store in tightly closed original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<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>ALUMINIUM POWDER (STABILIZED)</td>
<td>WEL</td>
<td>4 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CARBON BLACK</td>
<td>WEL</td>
<td>3.5 mg/m³</td>
<td>7 mg/m³</td>
<td></td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>WEL</td>
<td>4 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.

8.2. Exposure controls
Eye Protection
Wear approved safety goggles.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
Appearance Paste
Colour Misc. colours
Relative Density 1.04

9.2. Other information
Volatile Organic Compound (VOC) < 39 g/litre

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
Reaction with: Hydrofluoric acid. Alkalis.

10.2. Chemical stability
Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions
Hazardous Polymerisation
Will not polymerise.

10.4. Conditions to avoid
Avoid heat.

10.5. Incompatible materials
Materials To Avoid
Strong alkalis. Hydrofluoric acid.

10.6. Hazardous decomposition products
33S RANGE SILICONE SEALANT WITH FUNGICIDE

Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO2). Formaldehyde. Oxides of: Silicon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation
Vapour may irritate respiratory system or lungs.

Ingestion.
May cause discomfort if swallowed.

Skin Contact
Irritating to skin.

Eye Contact
Irritating to eyes.

Name ALUMINIUM POWDER (STABILIZED)
Toxicological Information
No information available.

Name METHYLTRIACETOXYSILANE
Toxic Dose 1 - LD 50 2060 mg/kg (oral rat)
Name ETHYLTRIACETOXYSILANE
Toxicological Information
No information available.

Name TITANIUM DIOXIDE
Toxic Dose 1 - LD 50 >10000 mg/kg (oral rat)
Toxic Conc. - LC 50 > 3.56 mg/l/4h (inh-rat)
Name CARBON BLACK
Toxic Dose 1 - LD 50 <15400 mg/kg (oral rat)
Name DIDIOMETHYL-p-TOLYSULFONE
Toxic Dose 1 - LD 50 > 5000 mg/kg (oral rat)
Toxic Conc. - LC 50 0.96 mg/l/4h (inh-rat)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

12.2. Persistence and degradability

Degradability:
There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative Potential:
No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:
The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

Not determined.
33S RANGE SILICONE SEALANT WITH FUNGICIDE

Name: ALUMINIUM POWDER (STABILIZED)

LC 50, 96 Hrs, Fish mg/l > 100
EC 50, 48 Hrs, Daphnia, mg/l > 100
IC 50, 72 Hrs, Algae, mg/l > 100

Name: METHYLTRIACETOXYSilane

Ecotoxicity
No data on possible environmental effects have been found.

Name: ETHYLTRIACETOXYSilane

Ecotoxicity
No data on possible environmental effects have been found.

Name: TITANIUM DIOXIDE

LC 50, 96 Hrs, Fish mg/l 240 - 370

Name: DIIDOMETHYL-p-TOLYSULFONE

EC 50, 48 Hrs, Daphnia, mg/l 0.071 - 8.0
IC 50, 72 Hrs, Algae, mg/l 0.0428 - 0.102

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number
UN No. (ADR/RID/ADN) 3082
UN No. (IMDG) 3082
UN No. (ICAO) 3082

14.2 UN Proper shipping name
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIIDOMETHYL-p-TOLYSULFONE)

14.3 Transport hazard class(es)
ADR/RID/ADN Class 9
ADR/RID/ADN Class Class 9: Miscellaneous dangerous substances and articles.
ADR Label No. 9
IMDG Class 9
ICAO Class/Division 9

14.4. Packing group
ADR/RID/ADN Packing group III
IMDG Packing group III
ICAO Packing group III

14.5. Environmental hazards
Environmentally Hazardous Substance/Marine Pollutant
14.6. Special precautions for user

EMS F-A, S-F
Emergency Action Code •3Z
Hazard No. (ADR) 90
Tunnel Restriction Code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

SECTION 15: REGULATORY INFORMATION

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

15.2. Chemical Safety Assessment
No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments
This is first issue.
Revision Date 03-2011

Risk Phrases In Full
R34 Causes burns.
R15 Contact with water liberates extremely flammable gases.
R11 Highly flammable.
R36/37/38 Irritating to eyes, respiratory system and skin.
R40 Limited evidence of a carcinogenic effect.
NC Not classified.
R41 Risk of serious damage to eyes.
R23 Toxic by inhalation.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H330 Fatal if inhaled.
H228 Flammable solid.
H261 In contact with water releases flammable gases.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H410 Very toxic to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.
33S RANGE SILICONE SEALANT WITH FUNGICIDE