Material Safety Data Sheet

CMT1200/1220/1250/1270/1300 Silicone Sealant

1. PRODUCT IDENTIFICATION AND COMPANY DETAILS
Product Name: Acid silicone sealant
Other Names: Silicone adhesive/sealant, Silicone elastomer
Product No: CMT1200/1220/1250/1270/1300
Product Use: Construction sealing
Company Name: MATUS (PTY) LTD.
Address: Cnr. La Rochelle & Crystal Roads, Springfield, Johannesburg 2197, RSA
Tel: +27 (0) 681 9400

2. COMPOSITION/INFORMATION ON INGREDIENTS
2.1 Chemical characterization: Mixture
2.2 Physical Form: Paste
2.3 Color: Clear, Black, White and so on
2.4 Use: Sealant and adhesive
2.5 Hazardous Ingredients*:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>% (w/w)</th>
<th>Symbols &amp; Health Risk</th>
</tr>
</thead>
</table>

*According to European Commission Directive 1999/45/EC (Article 3 [3])

3. HAZARDS IDENTIFICATION
3.1 Overall Hazard Classification: Not hazardous.
3.2 Hazard Information: Not hazardous. Avoid contact with skin and eyes. Use only in well-ventilated areas.
3.3 Route of Exposure: Skin Contact and Accidental Ingestion.
3.4 Possible Health Effects:

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Acute
Eyes: Direct contact may cause moderate irritation.
Skin: May cause moderate irritation.
Inhalation: Irritates respiratory passages very slightly.
Ingestion: Low ingestion hazard in normal use.

Chronic
Skin: No known applicable information.
Inhalation: No known applicable information.
Ingestion: Repeated ingestion or swallowing large amounts may injure internally.

3.5 Signs and Symptoms of Overexposure:
No significant adverse effects from a single exposure expected from normal use.

4. FIRST AID MEASURES
4.1 Eyes: Immediately flush with water for 15 minutes. Get medical attention.
4.2 Skin: Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.
4.3 Inhalation: No first aid should be needed.
4.4 Ingestion: Get medical attention.
4.5 Comments: Treat according to person's condition and specifics of exposure.
4.6 Note to physicians: Treat symptomatically.

5. FIRE FIGHTING MEASURES
5.1 Flammability: Non-flammable.
5.2 Flash Point: Not applicable.
5.3 Autoignition temperature: Not determined.
5.4 Lower Flammability Limit: Not determined.
5.5 Upper Flammability Limit: Not determined.
5.6 Hazardous Properties: None.
5.7 Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO2), dry chemical or water spray. Water can be used to cool fire exposed containers.
5.8 Special Fire Fighting Procedures and Equipment: Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool. Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.

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5.9 Hazardous Combustion Products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

5.10 Unsuitable Extinguishing Media: None established.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions: Avoid skin and eye contact. Do not take internally.

6.2 Environmental Precautions: Do not allow large quantities to enter drains or surface waters.

6.3 Methods for Cleaning up: Observe all personal protective equipment recommendations described in this MSDS. If diked material can be pumped, store recovered material in appropriate container. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which laws and regulations are applicable.

7. HANDLING AND STORAGE

7.1 Handling Precautions: Use with adequate ventilation. Product evolves acetic acid (HOAc) when exposed to water or humid air. Provide ventilation during use to control HOAc exposures within exposure guidelines or use respiratory protection. Avoid skin and eye contact. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

7.2 Storage Conditions: Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture.

7.3 Unsuitable Packaging Materials: None established.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Industrial Hygiene Standards:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No.</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyltriacetoxyisilane</td>
<td>17689-77-9</td>
<td>See acetic acid comments.</td>
</tr>
<tr>
<td>Methyltriacetoxyisilane</td>
<td>4253-34-3</td>
<td>See acetic acid comments.</td>
</tr>
</tbody>
</table>

Acetic acid is formed upon contact with water or humid air. Provide adequate ventilation to

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control exposures within guidelines of OSHA PEL: TWA 10 ppm and ACGIH TLV: TWA 10 ppm, STEL 15 ppm.

8.2 Engineering Controls
Local Ventilation: None should be needed.
General Ventilation: Recommended.

8.3 Personal Protective Equipment for Routine Handling
Respiratory protection: No respiratory protection should be needed.
Suitable Respirator: None should be needed.
Eye protection: Use chemical worker's goggles.
Hand protection: Chemical protective gloves should be worn.
Skin protection: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.
Hygiene Measures: Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

8.4 Personal Protective Equipment for Spills
Respiratory protection: No respiratory protection should be needed.
Eye protection: Use chemical worker's goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES
9.1 Physical Form: Paste
9.2 Color: clear, black, white and so on
9.3 Odor: Acetic acid odor
9.4 PH: Not determined.
9.5 Solubility in Water: Not determined.
9.6 Boiling Point: Not determined.
9.7 Melting Point: Not determined.
9.8 Flash Point: Not applicable.
9.9 Autoignition temperature: Not determined.
9.10 Explosive properties: No
9.11 Oxidizing properties: No
9.12 Vapor Pressure @ 25°C: Not determined.
9.13 Specific Gravity: 0.93-1.05
9.15 Vapour Density (air=1): Not determined.

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9.16 Viscosity: Not determined.
9.17 Molecular Weight: Not determined.

The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

10. STABILITY AND REACTIVITY
    Stability: Stable
    Conditions to Avoid: None
    Materials to Avoid: Can react with strong oxidising agents. Water, moisture or humid air can cause hazardous vapors to form.
    Hazardous Decomposition Products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.
    Hazardous Polymerization: Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION
    11.1 Possible Health Effects: Refer to Section 3.4
    11.2 Sensitizing Effects: None known.
    11.3 Mutagenic Effects: None known.
    11.4 Reproductive Effects: None known.
    11.5 Carcinogenic Effects: None known.
    11.6 Other Health Hazard Information: No known applicable information.

The above listed potential effects of overexposure are based on actual data, the results of studies performed upon similar compositions, component data, and/or expert review of the products.

12. ECOLOGICAL INFORMATION
    12.1 Environmental Fate and Distribution: Solid material, insoluble in water. No adverse effects are predicted.
    12.2 Environmental Effects: No adverse effects on aquatic organisms are predicted.
    Bioaccumulation: No bioaccumulation potential.
    12.3 Fate and Effects in Waste Water Treatment Plants: No adverse effects on bacteria are predicted.

13. DISPOSAL CONSIDERATIONS
    Product Disposal: Dispose of in accordance with local regulations.
    Packaging Disposal: Dispose of in accordance with local regulations.

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14. TRANSPORT INFORMATION
Road and Rail Transport: Not applicable.

Sea Transport (IMDG): Not subject to IMDG code.
Air Transport (IATA): Not subject to IATA regulations.

15. OTHER INFORMATION
Contact Point: Procurement Department (011) 681 9231
Prepared by: MATUS (PTY) LTD.

This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

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