1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

Product name: DOW CORNING 738 ELECTRICAL SEALANT, WHITE (01907522)

Synonym(s):
- NSN: 8030-12-181-3606 • NSN: 8040-01-331-7133 • NSN: 8040-66-087-2410 • NSN: 8040-66-121-7468
- 01907522 - PRODUCT CODE • 738 ELECTRICAL SILICONE SEALANT • DOW CORNING(R) 738 ELECTRICAL SEALANT, WHITE • SILICONE ELASTOMER

1.2 Uses and uses advised against

Use(s):
- ELECTRICAL INSULATING COMPOUND • SILICONE SEALANT

1.3 Details of the supplier of the safety data sheet

Supplier name: DOW CORNING AUSTRALIA PTY LTD
Address: Darling Park, Tower 2Level 20, 201 Sussex Street, Sydney, NSW, Australia, 2000
Telephone: 1300 360 732
Fax: (02) 9847 4111
Email: dowcorning1@mailpc.custhelp.com
Website: http://www.dowcorning.com.au

1.4 Emergency telephone number(s)

Emergency: 1300 360 732

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

2.2 Label elements

No signal word, pictograms, hazard or precautionary statements have been allocated.

2.3 Other Hazards

No information provided.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS number</th>
<th>EC number</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHANOL</td>
<td>67-56-1</td>
<td>200-659-6</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>TETRAISOPROPOXY TITANATE</td>
<td>546-68-9</td>
<td>208-909-6</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>NON HAZARDOUS INGREDIENTS</td>
<td>Not Available</td>
<td>Not Available</td>
<td>remainder</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye: If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation: If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

Ingestion: For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

First aid facilities: No information provided.

4.2 Most important symptoms and effects, both acute and delayed

No information provided.

4.3 Immediate medical attention and special treatment needed

Treat symptomatically.
5. **FIREFIGHTING MEASURES**

5.1 **Extinguishing media**
Use an extinguishing agent suitable for the surrounding fire.

5.2 **Special hazards arising from the substance or mixture**
Non flammable. May evolve toxic gases (carbon/ silicon oxides, hydrocarbons) when heated to decomposition. Formaldehyde may be formed in temperatures above 150°C. Traces of benzene (carcinogen) may form if heated in air above 230°C.

5.3 **Advice for firefighters**
Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

5.4 **Hazchem code**
None allocated

6. **ACCIDENTAL RELEASE MEASURES**

6.1 **Personal precautions, protective equipment and emergency procedures**
Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

6.2 **Environmental precautions**
Prevent product from entering drains and waterways.

6.3 **Methods of cleaning up**
Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

6.4 **Reference to other sections**
See Sections 8 and 13 for exposure controls and disposal.

7. **HANDLING AND STORAGE**

7.1 **Precautions for safe handling**
Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

7.2 **Conditions for safe storage, including any incompatibilities**
Store in a cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate fire protection systems.

7.3 **Specific end use(s)**
No information provided.

8. **EXPOSURE CONTROLS/ PERSONAL PROTECTION**

8.1 **Control parameters**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Reference</th>
<th>TWA ppm</th>
<th>TWA mg/m³</th>
<th>STEL ppm</th>
<th>STEL mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>SWA (AUS)</td>
<td>200</td>
<td>262</td>
<td>250</td>
<td>328</td>
</tr>
</tbody>
</table>

**Biological limits**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Reference</th>
<th>Determinant</th>
<th>Sampling time</th>
<th>BEI</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHANOL</td>
<td>ACGIH BEI</td>
<td>Methanol in urine</td>
<td>End of shift</td>
<td>15 mg/L</td>
</tr>
</tbody>
</table>

8.2 **Exposure controls**

**Engineering Controls**
Avoid inhalation. Use in well ventilated areas. Maintain vapour levels below the recommended exposure
Product name: DOW CORNING 738 ELECTRICAL SEALANT, WHITE (01907522)

PPE

- **Eye/Face**: Wear splash-proof goggles.
- **Hand**: Wear PVC or rubber gloves.
- **Body**: When using large quantities or where heavy contamination is likely, wear coveralls.
- **Respiratory**: No PPE specified.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

- **Appearance**: WHITE PASTE
- **Odour**: SLIGHT ODOR
- **Odour Threshold**: NOT AVAILABLE
- **pH**: NOT AVAILABLE
- **Melting Point**: NOT AVAILABLE
- **Boiling Point**: NOT AVAILABLE
- **Flash Point**: NOT AVAILABLE
- **Evaporation Rate**: NOT AVAILABLE
- **Flammability**: NON FLAMMABLE
- **Upper Explosion Limit**: NOT RELEVANT
- **Lower Explosion Limit**: NOT RELEVANT
- **Vapour Pressure**: NOT AVAILABLE
- **Vapour Density**: NOT AVAILABLE
- **Solubility (water)**: INSOLUBLE
- **Partition Coefficient**: NOT AVAILABLE
- **Autoignition Temperature**: NOT AVAILABLE
- **Decomposition Temperature**: NOT AVAILABLE
- **Viscosity**: NOT AVAILABLE
- **Explosive Properties**: NOT AVAILABLE
- **Oxidising Properties**: NOT AVAILABLE
- **Specific Gravity**: 1.04

#### 9.2 Other information

- **% Volatiles**: NOT AVAILABLE

### 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

Carefully review all information in sections 10.2 to 10.6.

#### 10.2 Chemical stability

Stable under recommended conditions of storage.

#### 10.3 Possibility of hazardous reactions

Hazardous polymerization is not expected to occur.

#### 10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Avoid exposure to moisture.

#### 10.5 Incompatible materials

Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), heat and ignition sources.

#### 10.6 Hazardous decomposition products

May evolve toxic gases (formaldehyde, carbon/ silicon oxides, hydrocarbons) when heated to decomposition.
11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Health hazard summary

Eye
Low irritant. Due to product form and nature of use, the potential for exposure is reduced. However, direct contact may result in irritation, lacrimation and conjunctivitis.

Inhalation
Low irritant. Over exposure may result in irritation of the nose and throat, with coughing.

Skin
Low irritant. Prolonged or repeated contact may result in mild irritation, rash and dermatitis.

Ingestion
Low toxicity. Ingestion of large quantities may result in nausea, vomiting and gastrointestinal irritation.

Toxicity data

METHANOL (67-56-1)
- LC50 (Inhalation): 50 g/m³/2 hours (mouse)
- LCLo (Inhalation): 1000 ppm (monkey)
- LD50 (Ingestion): 300 mg/kg (human)
- LD50 (Skin): 15,800 mg/kg (rabbit)
- LDLo (Ingestion): 143 mg/kg (human)
- LDLo (Skin): 393 mg/kg (monkey)
- TCLo (Inhalation): 300 ppm human (visual effects)
- TDLo (Ingestion): 3429 mg/kg (man-visual change)

TETRAISOPROXY TITANATE (546-68-9)
- LD50 (Ingestion): 7236 mg/kg (rat)
- LD50 (Skin): > 15.5 g/kg (rabbit)

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No information provided.

12.2 Persistence and degradability
No information provided.

12.3 Bioaccumulative potential
No information provided.

12.4 Mobility in soil
No information provided.

12.5 Results of PBT and vPvB assessment
No information provided.

12.6 Other adverse effects
No information provided.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal
For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information if disposing of large quantities (if required). Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.

Legislation
Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

14.1 UN number
None Allocated

14.2 UN proper shipping name
None Allocated
Product name
DOW CORNING 738 ELECTRICAL SEALANT, WHITE (01907522)

14.3 Transport hazard classes
DG Class
None Allocated
Subsidiary risk(s)
None Allocated
14.4 Packing group
None Allocated
14.5 Environmental hazards
None Allocated
14.6 Special precautions for user
None Allocated

15. REGULATORY INFORMATION
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Poison schedule
A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Classifications
None allocated
Risk phrases
None allocated
Safety phrases
None allocated
Inventory listing(s)
AUSTRALIA: AICS (Australian Inventory of Chemical Substances)
All components are listed on AICS, or are exempt.

15.2 Chemical safety assessment
No information provided.

16. OTHER INFORMATION
Additional information
HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

COLOUR RATING SYSTEM: RMT has assigned all ChemAlert reports a colour rating of Green, Amber or Red for the sole purpose of providing users with a quick and easy means of determining the hazardous nature of a product. Safe handling recommendations are provided in all ChemAlert reports so as to clearly identify how users can control the hazards and thereby reduce the risk (or likelihood) of adverse effects. As a general guideline, a Green colour rating indicates a low hazard, an Amber colour rating indicates a moderate hazard and a Red colour rating indicates a high hazard.

While all due care has been taken by RMT in the preparation of the Colour Rating System, it is intended as a guide only and RMT does not provide any warranty in relation to the accuracy of the Colour Rating System. As far as is lawfully possible, RMT accepts no liability or responsibility whatsoever for the actions or omissions of any person in reliance on the Colour Rating System.

Abbreviations
ACGIH American Conference of Governmental Industrial Hygienists
CAS # Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS Central Nervous System
EC No. EC No - European Community Number
EMS Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS Globally Harmonized System
GTEPG Group Text Emergency Procedure Guide
IARC International Agency for Research on Cancer
LC50 Lethal Concentration, 50% / Median Lethal Concentration

This report was compiled based on the SDS dated 09 Jul 2010
Reviewed: 12 Sep 2014
Printed: 28 Apr 2015
Product name: DOW CORNING 738 ELECTRICAL SEALANT, WHITE (01907522)

LD50  Lethal Dose, 50% / Median Lethal Dose
mg/m³  Milligrams per Cubic Metre
OEL  Occupational Exposure Limit
PEL  Permissible Exposure Limit
pH  relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm  Parts Per Million
REACH  Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
STEL  Short-Term Exposure Limit
STOT-RE  Specific target organ toxicity (repeated exposure)
STOT-SE  Specific target organ toxicity (single exposure)
SUSMP  Standard for the Uniform Scheduling of Medicines and Poisons
SWA  Safe Work Australia
TLV  Threshold Limit Value
TWA  Time Weighted Average

Report Status
This ChemAlert report has been independently compiled by RMT's scientific department utilising the original Safety Data Sheet ("SDS") for the product provided to RMT by the manufacturer. The information is based on the latest chemical and toxicological research and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. It is an independent collation by RMT of information obtained from the original SDS for this product. Its content has not been authorised or verified by the manufacturer / distributor of the chemical to which it relates.

This ChemAlert report does not constitute the manufacturer's original SDS and is not intended to be a replacement for same. It is provided to subscribers of ChemAlert as a reference tool only, is not all-inclusive and does not represent any guarantee as to the properties of the product. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this ChemAlert report, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this ChemAlert report.

Prepared By
Risk Management Technologies
5 Ventnor Ave, West Perth
Western Australia 6005
Phone: +61 8 9322 1711
Fax: +61 8 9322 1794
Email: info@rmt.com.au
Web: www.rmt.com.au

Last Reviewed: 12 Sep 2014
Date Printed: 28 Apr 2015
Based on SDS dated: 09 Jul 2010

End of Report