MATERIAL SAFETY DATA SHEET

MAXX™ ORGANOSILICONE SURFACTANT

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Maxx Organosilicone Surfactant
Product Use: Surfactant/spreader/wetter
Company: Sumitomo Chemical Australia Pty Ltd
A.B.N. 21 081 096 255
Address: 51 Rawson St, Epping NSW 2121
Telephone Number: (02) 8752 9000 (Mon–Fri 8am–5pm EST)
Emergency Telephone Number: 1800 024 973 (24 hours) (EMERGENCIES ONLY)

SECTION 2: HAZARDS IDENTIFICATION

Approved Criteria Classification: This product is hazardous according to the criteria of NOHSC. Harmful. Dangerous for the environment. R20/21: Harmful by inhalation and in contact with skin R36/38: Irritating to eyes and skin R51/53: Toxic for aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SUSDP Classification: Not Scheduled
ADG Classification: Not a Dangerous Good

EMERGENCY OVERVIEW
Colour: Light yellow
Physical description: Liquid
Odour: Characteristic

POTENTIAL HEALTH EFFECTS

Acute Toxicity: This material is an eye and skin irritant.
Signs and Symptoms of Systemic Effects: N/D. Eye contact may result in irritation and possible serious eye injury. Contact may cause irritation.

Eye: Irritant
Skin: Irritant. Not a sensitizer
Ingestion: Not a likely route of exposure
Inhalation: Not a likely route of exposure

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Entity</th>
<th>CAS number</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyether-modified polysiloxane</td>
<td>134180-76-0</td>
<td>100%</td>
</tr>
</tbody>
</table>
SECTION 4: FIRST AID MEASURES

Scheduled Poisons: Poison Information Centres in each State capital city can provide additional assistance for scheduled poisons. Telephone: 131126 (Australia).

Eye contact: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

Skin contact: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

Ingestion: Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

Inhalation: Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

Note to physician: No known antidote, provide symptomatic/supportive care as necessary. Medical conditions aggravated by exposure – pre-existing eye, skin or respiratory lesions.

SECTION 5: FIRE FIGHTING MEASURES

Fire and Explosion Hazards: Not flammable
Flash Point: 102°C

Extinguishing Media: In the case of fire, use foam, carbon dioxide, dry powder and water spray.

Hazardous Decomposition: In the event of fire the following can be released:

Products: Carbon monoxide, carbon dioxide, silicon dioxide

Hazardous reactions: N/D

Materials to avoid: Not applicable

Fire Fighting: Wear protective clothing and self-contained breathing apparatus. Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Telephone Number: 1800 024 973 (24 hours) (EMERGENCIES ONLY)

Observe precautions in Section 8: Personal Protection
Stop the source of the spill if it is safe to do so. Contain the spill to prevent further contamination of the soil, surface water, or ground water.

FOR SPILLS ON LAND
CONTAINMENT: Avoid runoff into storm sewers or other bodies of water.
CLEANUP: Absorb onto sawdust or sand, and place in sealable container for disposal. Ventilate and wash area. Dispose of product in accordance with federal, state and local regulations.

FOR SPILLS IN WATER
CONTAINMENT: Avoid runoff into storm sewers or other bodies of water. Isolate contaminated water.
CLEANUP: Remove contaminated water for treatment or disposal.
SECTION 7: HANDLING AND STORAGE

Keep out of reach of children. Keep pesticide in original container. Do not store or transport near food or feed. Do not contaminate food or feed. Do not put into food or drink containers. Store in a cool, dry place, out of direct sunlight. Avoid excessive storage temperatures. Formation of aerosols or vapours during processing and application should be avoided. Wear respiratory protection when spraying.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE STANDARDS:

EYE PROTECTION: Eye contact can be avoided by wearing protective eyewear (chemical goggles or full-face respirator).

RESPIRATION/VENTILATION: In case of formation of vapours/aerosols use air purifying respirator with A-P2 Filter.

SKIN PROTECTION: Skin contact should be minimised by wearing protective clothing including impervious (PVC) gloves. Wash thoroughly with soap and water after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPEARANCE</td>
<td>Light yellow liquid</td>
</tr>
<tr>
<td>ODOUR</td>
<td>Characteristic</td>
</tr>
<tr>
<td>MELTING/FREEZING POINT</td>
<td>Not determined</td>
</tr>
<tr>
<td>BOILING POINT</td>
<td>Not determined</td>
</tr>
<tr>
<td>DENSITY</td>
<td>1.02 g/cm³ (at 25°C)</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>Not determined</td>
</tr>
<tr>
<td>SOLUBILITY</td>
<td>Soluble</td>
</tr>
<tr>
<td>VAPOUR DENSITY</td>
<td>Not Determined</td>
</tr>
<tr>
<td>VAPOUR PRESSURE</td>
<td>Not Determined</td>
</tr>
<tr>
<td>VISCOSITY</td>
<td>Approx. 40-90 mPa (at 25°C)</td>
</tr>
<tr>
<td>pH</td>
<td>8 (at 25°C and 40 g/L water)</td>
</tr>
</tbody>
</table>

SECTION 10: STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMICAL STABILITY</td>
<td>ND</td>
</tr>
<tr>
<td>INCOMPATIBILITY</td>
<td>No hazardous reactions with proper storage and handling</td>
</tr>
<tr>
<td>HAZARDOUS</td>
<td>Potential carbon monoxide; carbon dioxide, silicon dioxide</td>
</tr>
<tr>
<td>DECOMPOSITION PRODUCTS</td>
<td></td>
</tr>
</tbody>
</table>
SECTION 11: TOXICOLOGICAL INFORMATION

Acute (Product Specific)
Eye irritation: Strongly irritant
Oral LD$_{50}$ (rat): 3,200 mg/kg (rat)
Dermal LD$_{50}$ (rabbits): 1550 mg/kg (rabbit) >2000 mg/kg (rat)
Inhalation toxicity: LC$_{50}$ 1.08 mg/L 4 hours in rats.
Irritation of the skin (rabbits): Slightly irritant
Corrosiveness: ND
Sensitisation: Not considered a sensitizer based upon the results of a skin sensitization study in guinea pigs.
Special Target Organ Effects: Harmful by inhalation and in contact with skin. Irritates eyes and skin. The toxicological data refer to the undiluted 100% product. Risk of serious damage to eyes.

Chronic/Carcinogenicity
No evidence of carcinogenicity

Teratology (Birth Defects) Information
N/D

Reproduction Information
N/D

SECTION 12: ECOLOGICAL INFORMATION

Environmental Fate
This product is considered to be a strong water pollutant. Do not discharge product unmonitored into the environment. The ecotoxicological data refer to the undiluted 100% product. The product does not cause essential disturbances of ecological processes and equilibrium, when used in the recommended concentrations and ways of application.

Hydrolysis:
Photolysis:
Soil half life:
Water solubility:
Ecotoxicity
Avian
Aquatic
Fish Toxicity: LC$_{50}$ 2.1 mg/L (rainbow trout)
Daphnia Toxicity: EC$_{50}$ 1.1 mg/L (daphnia magna)
Algae Toxicity: Biomass EC$_{50}$ 28.2 mg/L (Scenedesmus subspicatus)
Growth Rate EC$_{50}$ 152.2 mg/L (Scenedesmus subspicatus)

Other non-target organisms
The product is considered to be a water pollutant (German law). Do not discharge product unmonitored into the environment. The ecotoxicological data refer to the undiluted 100% product. The product does not cause essential disturbances of ecological processes and equilibriums, when used in the recommended concentrations and ways of application.
SECTION 13: DISPOSAL CONSIDERATIONS

Puncture, or shred and bury empty containers in a local authority landfill. If not available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and product should NOT be burnt.

SECTION 14: TRANSPORT INFORMATION

Store in the closed, original container in a well-ventilated area, as cool as possible. Keep out of reach of children. Do not store in direct sunlight.

**ADG Code:** Not a Dangerous Good

**HAZCHEM Code:** Not Applicable

SECTION 15: REGULATORY INFORMATION

This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). Product number 54348.

SECTION 16: OTHER INFORMATION

**Abbreviations:**

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>NDA</td>
<td>No Data Available</td>
</tr>
</tbody>
</table>

**Revision date:** February 2014

**Revision number:** 3

**Reason for revision:** Addition product number in regulatory information section

THE INFORMATION GIVEN IN THIS MSDS IS BASED ON DATA AVAILABLE TO US AS OF THE REVISION DATE GIVEN HEREIN, AND BELIEVED TO BE CORRECT. CONTACT SUMITOMO CHEMICAL AUSTRALIA TO CONFIRM IF YOU HAVE THE MOST CURRENT MSDS.