SAFETY DATA SHEET
DiPel SC

According to Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, February 2016

SECTION 1: Identification: Product identifier and chemical identity

Product identifier

Product name
DiPel SC

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

Application
Insecticide

Uses advised against
No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Supplier
www.sumitomo-chem.com.au
Sumitomo Chemical Australia Pty Ltd
Level 5, 51 Rawson Street,
EPPING, NSW 2121
(02) 8752 9000
(02) 8752 9099
Reception@sumitomo-chem.com.au

Emergency telephone number

Emergency telephone
1800 024 973 (Australia) 0800 243 6225 (New Zealand)

SECTION 2: Hazard(s) identification

Classification of the substance or mixture

Physical hazards
Not Classified

Health hazards
Skin Sens. 1 - H317

Environmental hazards
Not Classified

Label elements

Pictogram

Signal word
Warning

Hazard statements
H317 May cause an allergic skin reaction.

Precautionary statements
P261 Avoid breathing vapour/ spray.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P362+P364 Take off contaminated clothing and wash before reuse.
P501 Dispose of contents/ container in accordance with national regulations.

Contains
Bacillus thuringiensis

Other hazards
DiPel SC

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition and information on ingredients

<table>
<thead>
<tr>
<th>Substances</th>
<th>CAS number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other, non-hazardous ingredients</td>
<td>76.3%</td>
<td></td>
</tr>
<tr>
<td>Bacillus thuringiensis</td>
<td>23.7%</td>
<td>68038-71-1</td>
</tr>
</tbody>
</table>

Product name DiPel SC

SECTION 4: First aid measures

Description of first aid measures

General information
If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131126; New Zealand 0800 764 766), and follow the advice given. Show this Safety Data Sheet to a doctor.

Inhalation
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.

Ingestion
Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation. Get medical attention.

Skin Contact
It is important to remove the substance from the skin immediately. In the event of any sensitisation symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognised skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.

Eye contact
Rinse with water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.

Protection of first aiders
First aid personnel should wear appropriate protective equipment during any rescue.

Most important symptoms and effects, both acute and delayed

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
A single exposure may cause the following adverse effects: Headache. Exhaustion and weakness.

Ingestion
May cause sensitisation or allergic reactions in sensitive individuals.

Skin contact
May cause sensitisation or allergic reactions in sensitive individuals.

Eye contact
May cause minor irritation

Indication of any immediate medical attention and special treatment needed

Notes for the doctor
Treat symptomatically. May cause sensitisation or allergic reactions in sensitive individuals.
## SECTION 5: Firefighting measures

### Extinguishing media

**Suitable extinguishing media**
The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media**
Do not use water jet as an extinguisher, as this will spread the fire.

### Special hazards arising from the substance or mixture

**Specific hazards**
Containers can burst violently or explode when heated, due to excessive pressure build-up.

**Hazardous combustion products**
Thermal decomposition or combustion products may include the following substances:
Harmful gases or vapours.

### Advice for firefighters

**Protective actions during firefighting**
Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighters**
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to Australia/New Zealand Standards AS/NZS 4967 (for clothing) AS/NZS 1801 (for helmets), AS/NZS 4821 (for protective boots), AS/NZS 1801 (for protective gloves) will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions**
Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Avoid inhalation of dust and vapours. Use suitable respiratory protection if ventilation is inadequate.

**Environmental precautions**
Avoid discharge into drains or watercourses or onto the ground.

### Methods and material for containment and cleaning up

**Methods for cleaning up**
Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

**Reference to other sections**
For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.
DiPel SC

SECTION 7: Handling and storage, including how the chemical may be safely used

Precautions for safe handling

Advice on general occupational hygiene
Wash promptly with soap and water if skin becomes contaminated. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage precautions
Store in the closed, original container in a dry, cool, well-ventilated area, away from direct sunlight. Do NOT expose to extremes of temperature or to direct sunlight.

Specific end use(s)
The identified uses for this product are detailed in Section 1.

SECTION 8: Exposure controls and personal protection

Control parameters

Exposure controls

Protective equipment

Appropriate engineering controls
Provide adequate general and local exhaust ventilation. Ensure the ventilation system is regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to airborne contaminants. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection
Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Hand protection
No specific hand protection recommended.

Other skin and body protection
Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures
Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

Respiratory protection
Ensure all respiratory protective equipment is suitable for its intended use and complies with Australia/New Zealand Standard AS/NZS 1716. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Full face mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Half mask and quarter mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716.

Environmental exposure controls
Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance
Liquid.

Colour
Brown.
DiPel SC

Odour: Burnt caramel

pH: 5.2-5.5 (1% slurry)

Initial boiling point and range: >200°C

Flash point: 182°C

Relative density: 0.96

SECTION 10: Stability and reactivity

Reactivity: There are no known reactivity hazards associated with this product.

Stability: Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

Possibility of hazardous reactions: No potentially hazardous reactions known.

Conditions to avoid: There are no known conditions that are likely to result in a hazardous situation.

Materials to avoid: No specific material or group of materials is likely to react with the product to produce a hazardous situation.

Hazardous decomposition products: Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity - oral
Notes (oral LD₅₀): LD₅₀ >5,050 mg/kg, Rat

Acute toxicity - dermal
Notes (dermal LD₅₀): LD₅₀ >5,050 mg/kg, Rat

Acute toxicity - inhalation
Notes (inhalation LC₅₀): LC₅₀ > 2.95 mg/l, Rat, (4 h)

Skin corrosion/irritation
Animal data: Not irritating. (Rabbit)

Serious eye damage/irritation
Slightly irritating. (Rabbit)

Respiratory sensitisation
Based on available data the classification criteria are not met.

Skin sensitisation
Sensitising. (Guinea pig)

Germ cell mutagenicity
Genotoxicity - in vitro
Based on available data the classification criteria are not met.

Carcinogenicity
Based on available data the classification criteria are not met.

IARC carcinogenicity
None of the ingredients are listed or exempt.
DiPel SC

Reproductive toxicity
Reproductive toxicity - fertility Based on available data the classification criteria are not met.
Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure
STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard
Aspiration hazard Based on available data the classification criteria are not met.

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation A single exposure may cause the following adverse effects: Headache. Exhaustion and weakness.
Ingestion May cause sensitisation or allergic reactions in sensitive individuals.
Skin Contact May cause skin sensitisation or allergic reactions in sensitive individuals.
Eye contact May be slightly irritating to eyes.
Route of entry Ingestion Inhalation Skin and/or eye contact
Target Organs No specific target organs known.
Medical considerations Skin disorders and allergies.

SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

Toxicity Based on available data the classification criteria are not met. Data for active ingredient only.
Acute toxicity - aquatic invertebrates EC$_{50}$, 48 hour: >50 mg/l, Daphnia magna
Acute toxicity - terrestrial Nontoxic to honeybee
Chronic toxicity - aquatic invertebrates NOEC, 21 days: >5.0 mg/l, Daphnia magna

Persistence and degradability
Persistence and degradability The degradability of the product is not known.
Bioaccumulative potential Bioaccumulative Potential No data available on bioaccumulation.
Mobility in soil
Mobility No data available.
Results of PBT and vPvB assessment
Other adverse effects
DiPel SC

Other adverse effects
None known.

SECTION 13: Disposal considerations

Waste treatment methods

General information
The generation of waste should be minimised or avoided wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods
Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point.
If not recycling, break, crush, or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

SECTION 14: Transport information

General
Not a dangerous good according to ADG code 7

UN number
Not applicable.

UN proper shipping name
Not applicable.

Transport hazard class(es)

Packing group

Environmental hazards

Special precautions for user

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Inventories
Australia - AICS
Not applicable

SECTION 16: Any other relevant information

Training advice
Only trained personnel should use this material.

Revision date
27/10/2016

Revision
1

SDS No.
4709

Hazard statements in full
H317 May cause an allergic skin reaction.

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.