

Sumiblast® Crack and Crevice Residual Aerosol
SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Sumiblast® Crack and Crevice Residual Aerosol
Other Names: Sumiblast Water-Based Aerosol 2.5/2.5 Household Insect Residual Spray; Maestro Crack and Crevice Professional Aerosol Spray
Recommended Use: Insecticide.
Company: Sumitomo Chemical Australia Pty Ltd
A.B.N. 21 081 096 255
Address: 51 Rawson Street, Epping NSW 2121
Telephone Number: +61 (2) 8752 9000 (Mon–Fri 8am–5pm EST);
Facsimile: +61 (2) 8752 9099
Emergency Telephone Number: 1800 024 973 (24 hours) (EMERGENCIES ONLY)
Website: www.sumitomo-chem.com.au

New Zealand distributor/contact: Emergency Telephone Number:	Key Industries Ltd 44L Constellation Drive Mairangi Bay Auckland NEW ZEALAND Telephone: 09 917 1791 Facsimile: 09 917 1793 0800 343 622
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SECTION 2: HAZARDS IDENTIFICATION

Hazardous Classification: No-Hazardous according to the criteria of the Australian Safety and Compensation Council (ASCC).
HSNO Classification: 2.1.2A; 6.3B; 9.1A; 9.4A
SUSDP Classification (Poison Scheduling): S5 - CAUTION
ADG Classification: Classified as a Dangerous Good (under the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Correct Shipping Name: AEROSOLS
Dangerous Goods Class: 2.1 Hazchem Code: 2YE
UN Number: 1950 Packaging Group: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity	CAS number	Proportion
Cyphenothrin	39515-40-7	0.25%
d-Tetramethrin	7696-12-0	0.25%
Hydrocarbon solvent	64742-47-8	<20%
Propellant	74-98-6 / 106-97-8	<50%
Other ingredients determined as non hazardous	-	to 100%

SECTION 4: FIRST AID MEASURES

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

General:	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
Swallowed:	<u>Although unlikely, if swallowed</u> , do not induce vomiting, seek medical advice.
Skin contact:	<u>If on skin</u> , remove contaminated clothing and wash skin thoroughly with soap and water. Launder contaminated clothing before re-use. Seek medical advice if irritation develops.
Eye contact:	<u>If in eyes</u> , hold eyes open and flood with water for at least 15 minutes and seek medical advice.
Inhalation:	If affected, remove from contaminated area to fresh air. If any signs or symptoms occur or persist, seek medical advice.
Note to physician:	Apply basic aid and decontamination procedures. Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Aerosol cans may explode when exposed to high temperatures and become projectiles.

Flashpoint:	-60°C (butane)
Flammable limits:	Not available.
Auto-ignition temperature:	Not available.
Suitable Extinguishing Media:	Small fire: Use water spray, dry chemical or carbon dioxide. Large fire: Use water spray or fog.
Hazards from Combustion Products:	Thermal decomposition will produce CO and NOx.
Precautions for Fire Fighting and Special Protective Equipment:	Ensure respiratory equipment is available. Evacuate immediate area. Advise Fire Brigade of nature of hazard. Aerosol cans may become projectiles in a fire. Heating/combustion of the contents will generate oxides of carbon and nitrogen, and other irritant and toxic fumes. Fire fighters should wear full protective clothing and self-contained breathing apparatus. Do not release contaminated water into the environment. Keep intact containers cool by spraying with a fine water spray. All run-off must be contained.
Hazchem Code:	2YE

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP PROCEDURES

SPILLS

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. Wear personal protective equipment as specified in Section 8. Do not allow material to enter sewers or bodies of water.

Small Spills: (Liquid spill)	Wipe up spills with clean dry cloth. Wash the spill area with water.
Large Spills: (Liquid spill)	Contain spill. Apply absorbent inert material such as soil, dry sand or vermiculite to the spill area. Form a barricade around the spill and in front of drains or waterways in spill vicinity, using soil or other non reactive material. Sweep up material and contain in a refuse vessel for disposal. Contact emergency services as required.
Disposal:	Contaminated material must be disposed of in accordance with all State and/or Local regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:	Keep out of reach of children. DO NOT USE OR STORE near flame, sparks or hot surfaces. Avoid contact with eyes, skin or clothing. Avoid breathing aerosol spray. Use only in a well-ventilated area. Remove pets, birds and cover fish aquariums before spraying. Do not apply this product in or on electrical equipment due to the possibility of shock hazard. After handling and before eating, drinking or smoking, wash hands, arms and face with soap and water. For personal protection, see Section 8.
Conditions for Safe Storage:	Keep out of reach of children. Store product in a cool, well-ventilated area out of the sun. Keep away from heat, sparks, open flames.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

NATIONAL EXPOSURE STANDARDS

Australian Safety and Compensation Council (ASCC) exposure standards have not been assigned for the active ingredient.

Exposure Standards for the constituent butane:

Butane Exposure Limit: 1900 mg/m³ TWA

ENGINEERING CONTROLS

Ensure adequate ventilation. Maintain air concentration below exposure standards. Keep away from sources of ignition. Do not breathe fumes or spray.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection:	Use only in well ventilated areas. Respiratory protection is recommended.
Hand Protection:	Wear chemical resistant gloves.
Eye Protection:	Avoid contact with eyes. Eye contact can be avoided by wearing protective eyewear.
Skin and Body Protection:	Avoid contact with skin or clothing. Skin contact should be minimised by wearing protective clothing including gloves, hat, long sleeved shirt, long pants and chemical resistant boots.
Other Information:	Wash hands after use. Launder clothes, gloves and face shield or goggles before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Fill concentrate white emulsion.
Odour:	Characteristic odour.
pH:	NDA
Vapour Pressure:	240 kPa at 16°C (butane)
Vapour Density:	NDA
Boiling Point:	NDA
Melting Point:	NDA
Solubility:	Miscible in water.
Density:	Approx.. 0.97 g/mL at 25°C (concentrate)
Viscosity:	NDA
Flashpoint:	-60°C
Explosive Limits:	NDA
Ignition Temperature:	NDA

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under recommended storage and handling conditions (See Section 7).
Conditions to Avoid:	Contents of aerosol cans are under pressure. Containers may rupture violently and travel a considerable distance. Cans may explode and rocket when subjected to extreme heat. Avoid direct sunlight. Isolate from sources of heat, naked flames, sparks or high temperatures.
Incompatible Materials:	No information available.
Hazardous Decomposition Products:	Emits toxic fumes under fire conditions (See also Section 5).
Hazardous Reactions:	Propellant can react with oxidising agents. Store away from oxygen cylinders, oxidising agents and ignition sources.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS (Concentrate)

Toxicology

Swallowed: **MODERATELY TOXIC.**
(LD₅₀ (male rat) = 1072 mg/kg; LD₅₀ (female rat) = 1414 mg/kg)
Accidental ingestion of small amounts may be harmful.

Skin: **LOW TOXICITY.**
(LD₅₀ (rat) > 2000 mg/kg)
Contact with skin is not expected to be harmful.

Irritation

Skin: **MODERATE IRRITANT.**

Eye: **NON-IRRITANT.**

ACUTE HEALTH EFFECTS (Active Ingredient - Cyphenothrin)

Toxicology

Inhalation: **MODERATELY TOXIC.**
(LC₅₀ rat (3 hour) > 1.85 mg/L of air)
(maximum attainable concentration, using an artificially produced mist)
Inhalation may be harmful.

Sensitisation

Skin: **NOT A SKIN SENSITISER.**

ACUTE HEALTH EFFECTS (Active Ingredient – d-Tetramethrin)

Toxicology

Inhalation: **MODERATELY TOXIC.**
(LC₅₀ rat (4 hour) > 1.18 mg/L of air)
(4hr exposure, maximum attainable concentration).
Inhalation may be harmful.

Sensitisation

Skin: **NOT A SKIN SENSITISER.**

CHRONIC/CARCINOGENIC HEALTH EFFECTS (Active Ingredients)

Not carcinogenic.

OTHER TOXICOLOGICAL INFORMATION (Active Ingredients)

Mutagenicity Information

Not mutagenic.

Teratology (Birth Defects) Information

Not teratogenic.

Reproduction Information

Not genotoxic.

SECTION 12: ECOLOGICAL INFORMATION

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

ECOTOXICITY (Active Ingredient - Cyphenothrin)

Highly toxic to fish:	LC ₅₀ Rainbow trout (96 hour) = 0.34 µg/L
Highly toxic to aquatic invertebrates:	EC ₅₀ <i>Daphnia magna</i> (48 hour) = 0.43 µg/L
Low toxicity to birds:	Dietary LC ₅₀ Bobwhite quail > 5620 ppm

ENVIRONMENTAL FATE (Active Ingredient - Cyphenothrin)

Soil/Environment: Degradation involves ester hydrolysis and oxidation.

ECOTOXICITY (Active Ingredient – d-Tetramethrin)

Highly toxic to fish:	LC ₅₀ Rainbow trout (96 hour) = 10 µg/L
Highly toxic to aquatic invertebrates:	EC ₅₀ <i>Daphnia magna</i> (48 hour) = 0.11 mg/L
Low toxicity to birds:	Dietary LC ₅₀ Mallard ducks > 5620 mg/kg.

ENVIRONMENTAL FATE (Active Ingredient – d-Tetramethrin)

Studies have shown that d-Tetramethrin is photodegradable but is only slightly biodegradable and has bioaccumulation potential.

SECTION 13: DISPOSAL CONSIDERATIONS

Keep in a cool place out of the sun. Do not puncture or incinerate this container, even when empty. Dispose of can by putting in the garbage, or leaving it at an appropriate metal recycling collection point.

SECTION 14: TRANSPORT INFORMATION

Road/Rail/Sea/Air	Classified as dangerous in the meaning of Road/Rail (ADG), Sea (IMDG) and Air (ICAO/IATA) transport regulations.
Proper Shipping Name:	AEROSOLS
Class:	2.1
Sub Risk Class:	Not applicable
UN Number:	1950
Hazchem Code:	2YE
Packing Group:	III

SECTION 15: REGULATORY INFORMATION

Registration Status: This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). Product Number: 64882;
This product is registered with the EPA NZ: HSR100287

SECTION 16: OTHER INFORMATION

Abbreviations:

NA	Not Applicable
NDA	No Data Available
Revision Date:	Jan 2014

THE INFORMATION GIVEN IN THIS MSDS IS BASED ON DATA AVAILABLE AS OF THE REVISION DATE GIVEN HEREIN, AND BELIEVED TO BE CORRECT. EACH USER SHOULD READ THIS MSDS AND CONSIDER THE INFORMATION IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE INCLUDING IN CONJUNCTION WITH OTHER PRODUCTS. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY.