

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SUMITOMO SUMISCLEX 500 FUNGICIDE
 Synonyms : Procymidone 50SC
 Formulation ID : NC06, AM19

Manufacturer or supplier's details

Company : SUMITOMO CHEMICAL AUSTRALIA PTY LTD
 Level 5, 51 Rawson Street
 : EPPING NSW 2121
 Telephone : (02) 8752 9000 (Mon–Fri 8am–5pm EST)
 Telefax : (02) 8752 9099
 Emergency telephone number : 1800 024 973 (24 hours) (EMERGENCIES ONLY):
 Website: www.sumitomo-chem.com.au

Recommended use of the chemical and restrictions on use

: Fungicide (plant protection use)

2. HAZARDS IDENTIFICATION**GHS Classification**

Physical hazards	Explosives	: Not applicable
	Flammable gases	: Not applicable
	Flammable aerosols	: Not applicable
	Oxidising gases	: Not applicable
	Gases under pressure	: Not applicable
	Flammable liquids	: Not classified
	Flammable solids	: Not applicable
	Self-reactive substances and mixtures	: Not applicable
	Pyrophoric liquids	: Not applicable
	Pyrophoric solids	: Not applicable
	Self-heating substances and mixtures	: Classification not possible
	Substances and mixtures, which in contact with water, emit flammable gases	: Not applicable
	Oxidizing liquids	: Classification not possible
	Oxidizing solids	: Not applicable
	Organic peroxides	: Not applicable
	Corrosive to metals	: Classification not possible
	Health hazards	Acute toxicity (oral)
Acute toxicity (dermal)		: Not classified
Acute toxicity (inhalation - gas)		: Not applicable
Acute toxicity (inhalation - vapor)		: Classification not possible

	Acute toxicity (inhalation - dust and mist)	: Classification not possible
	Skin corrosion/irritation	: Classification not possible
	Serious eye damage/eye irritation	: Classification not possible
	Respiratory sensitisation	: Classification not possible
	Skin sensitisation	: Classification not possible
	Germ cell mutagenicity	: Classification not possible
	Carcinogenicity	: Classification not possible
	Reproductive toxicity	: Category 2
	Specific target organ toxicity - single exposure	: Classification not possible
	Specific target organ toxicity - repeated exposure	: Category 2 (liver, testis, ovaries)
	Aspiration hazard	: Classification not possible
Environmental hazards	Acute aquatic toxicity	: Category 3
	Chronic aquatic toxicity	: Category 2
	Hazardous to the ozone layer	: Classification not possible

GHS-Labeling

Hazard pictograms



Signal word

: Warning

Hazard statements

: H361 Suspected of damaging fertility or the unborn child.
 H373 May cause damage to liver, testis, ovaries through prolonged or repeated exposure.
 H402 Harmful to aquatic life.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

: P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P260 Do not breathe dust/fume/gas/mist/vapors/spray.
 P273 Avoid release to the environment.
 P281 Use personal protective equipment as required.

Response

P391 Collect spillage.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P314 Get medical advice/attention if you feel unwell.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container appropriately in accordance with local/regional/national/international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
N-(3,5-dichlorophenyl)-1,2-dimethylcyclopropane-1,2-dicarboximide (ISO common name : procymidone)	32809-16-8	50 w/v (43 w/w)
Surfactant, water etc.	Non-disclosure	Others

4. FIRST AID MEASURES

- If inhaled : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Administer oxygen if breathing is difficult.
Apply artificial respiration if victim is not breathing.
Do not use mouth-to-mouth method.
Keep victim warm with a blanket etc.
Get immediate medical advice/attention.
If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Effect of exposure to substance may be delayed. Medical observation is indicated.
- In case of skin contact : Remove/Take off immediately contaminated clothing and shoes.
Gently wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
- In case of eye contact : Do not rub eye.
Hold eyelids apart.
Begin to rinse with water as soon as possible and rinse cautiously for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Get immediate medical advice/attention.
- If swallowed : Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious.
Do not give victim anything to drink if he is unconscious.
Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Keep victim warm with a blanket etc.
Get immediate medical advice/attention.
If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Administer oxygen if breathing is difficult.
Apply artificial respiration if victim is not breathing.
Effect of exposure to substance may be delayed. Medical observation is indicated.
- Protection of first-aiders : Be aware that this product contains reprotoxic material.
Use personal protective equipment as required.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Small fires: Dry chemical powder, Carbon dioxide, Water spray, Alcohol-resistant foam

	Large fires: Water spray, Fog, Alcohol-resistant foam
Unsuitable extinguishing media	: Straight streams
Specific hazards during firefighting	: Ignites rarely but can be ignited in case of larger fire. Substance may decompose upon heating of surrounding fire to produce CO, toxic gases (See "10. Stability and reactivity") and fumes. For large fires, withdraw from fire area and let fire burn. Contact may cause burns to skin and eyes. Containers may explode when heated. Runoff and fire-control water may pollute waters. Risk of fire and explosion on contact with incompatible material(s).
Specific extinguishing methods	: Keep upwind. Keep unauthorized personnel away. If possible, remove containers exposed to heat or cool with water. Dike fire water for later disposal; do not spread the material.
Special protective equipment for firefighters	: Wear regional, national, and local standards approved fire fighting turnout gear and positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection from heat, and may not provide adequate protection from the harmful vapors or liquids.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	: Wear appropriate protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protection recommended in "8. Exposure control/personal protection". Isolate spill or leak area for proper distance in all directions. Provide adequate ventilation. Keep upwind. Do not breathe dust/fume/gas/mist/vapors/spray.
Emergency procedures	: Keep all unauthorized personnel upwind away. Consult an expert. Warn habitants surroundings. Navigation lock on waterways. Form large safety zone.
Prevention of secondary hazards	: Prepare appropriate extinguishing agent. (See "5. Fire-fighting measures") For large spill, consider initial downwind evacuation for proper distance. Prevent dust generation from dried-up suspension of this product.
Environmental precautions	: Prevent entry spilled material and runoff from spillage control into waterways, sewers, basements or confined areas. Avoid release to the environment. Collect spillage.

Methods and materials for containment and cleaning up : Stop leak if possible without any risk.
Collect leaking and spilled liquid in sealable containers as far as possible.
Absorb remaining liquid in dry earth, sand or other non-combustible material and remove to safe place.
For large spill, dike far ahead of liquid spill for later disposal.
(See "13. Disposal considerations")

7. HANDLING AND STORAGE

Technical measures : Use only outdoors or in a well-ventilated area.
Keep upwind for handling outdoors as much as possible.
Keep unauthorized personnel away.
Use clean non-sparking tools.
Avoid contact with eyes, skin, and clothing.

Local/Total ventilation : Ventilate by appropriate method.
(See "8. Exposure control/personal protection")

Advice on safe handling : Install appropriate equipment and wear appropriate protective clothing. (See "8. Exposure control/personal protection")

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash hands and face thoroughly after handling.
Eating, drinking and smoking in work areas is prohibited.
Contaminated work clothing should not be allowed out of the workplace.
Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for safe storage : Keep containers tightly closed.
Well ventilate by proper manner according to regional, national and local regulations.
Store in a dry place.
Keep away from incompatible materials.
(See "10. Stability and reactivity")
Keep away from food and feedstuffs.
Store locked up.

Packaging material : No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

None

Engineering measures : Maintain eye wash fountain and quick-drench facilities in work area.

Personal protective equipment

Respiratory protection : Breathing protective equipment should be chosen only according to specific regulatory requirements.
Wear positive pressure self-contained breathing apparatus (SCBA) in circumstance above occupational exposure standards for dust including emergency procedures and cleaning for accidental release.

Hand protection	: Hand protective equipment should be chosen only according to specific regulatory requirements. Impervious gloves
Eye protection	: Eye protective equipment should be chosen only according to specific regulatory requirements. Chemical safety goggles or glasses and full face shield.
Skin and body protection	: Personal protective equipment (PPE) should be chosen only according to specific regulatory requirements. Suitable impervious protective clothing, including protective footwear, gloves, lab coat, apron or coveralls.
Hygiene measures	: Do not eat, drink or smoke during work. Wash thoroughly after handling and before eating or drinking. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapors/spray.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Suspension liquid
Colour	: White
Odour	: No data available
pH	: 7.6
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: Not flammable (Tag closed cup)
Evaporation rate	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: 1.16 (20°C)
Density	: No data available
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: <i>n</i> -octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity	: 2,300 mPa·s (6 rpm, 20°C) 470 mPa·s (60 rpm, 20°C)

10. STABILITY AND REACTIVITY

Chemical stability	: Material is stable under normal conditions.
Possibility of hazardous reactions	: Strong oxidizers, Strong acids, Strong bases : Fire and explosion hazards.
Conditions to avoid	: Heating, Evaporation of liquid and dryness of solid component.
Incompatible materials	: Strong oxidizers, Strong acids, Strong bases
Hazardous decomposition products	: Carbon monoxide, Carbon dioxide, Hydrocarbons, Nitrogen oxides, Hydrogen chloride, Phosgene, Chloride compounds, Soot,

11. TOXICOLOGICAL INFORMATION

If the data of this product are not available, the data of similar formulations and/or ingredients is displayed.

Acute Toxicity:

Oral: Rat : LD₅₀ > 5,000 mg/kg

Dermal: Rat : LD₅₀ > 2,000 mg/kg

Inhalation: Dust/Mist : Rat : LC₅₀ (2 h) > 2,000 mg/m³

Skin corrosion / irritation:
Procymidone

Rabbit : Not irritating (Procymidone 50% SC: similar recipe)
Rabbit : Not irritating

Serious eye damage / eye irritation:
Procymidone

Rabbit : Not irritating (Procymidone 50% SC: similar recipe)
Rabbit : Not irritating

Respiratory or skin sensitisation:
Procymidone

Guinea pig skin sensitizer (Buehler test) : Non-sensitizer (Procymidone 50% SC: similar recipe)
Guinea pig skin sensitizer (maximization test) : Non-sensitizer

Germ cell mutagenicity:

in vitro:
Procymidone

No data available
Ames test : Negative
DNA repair assay : Negative
Sister chromatid exchange assay : Negative
Chromosome aberration test : Negative
Unscheduled DNA synthesis assay (hepatocyte) : Negative

in vivo:
Procymidone

No data available
Chromosome aberration test : Negative

Carcinogenicity:
Procymidone

No data available
Rat carcinogenicity study (diet) : Carcinogenic
(This testicular intestinal cell adenomas in rats is species-specific tumor and not relevant to human cancer.)
Mouse carcinogenicity study (diet) : Non-carcinogenic

Reproductive toxicity:
Reproduction:

No data available

Procymidone	Rat two-generation reproductive toxicity study (diet) : Adverse effect on reproduction, adverse effect on offspring
Teratogenicity: Procymidone	No data available Rat teratology study (oral) : Non-teratogenic Rabbit teratology study (oral) : Non-teratogenic
Specific target organ toxicity - single exposure: Procymidone	Rat (oral/dermal) : No specific target organs noted. No specific target organ noted.
Specific target organ toxicity - repeated exposure: Procymidone	No data available Mouse 6-month subchronic toxicity study (diet) : Liver Rat 2-year chronic toxicity study (diet) : Testis, Ovaries
Aspiration toxicity:	No data available
Other effects:	No data available

12. ECOLOGICAL INFORMATION

If the data of this product are not available, the data of similar formulations and/or ingredients is displayed.

Acute aquatic toxicity :

Toxicity to fish : Rainbow Trout (*Salmo gairdneri* Rich.) : LC₅₀ (96 h) > 320 mg/L
Carp (*Cyprinus carpio* L.) : LC₅₀ (96 h) > 320 mg/L

Toxicity to crustacea : *Daphnia magna* : EC₅₀ (48 h) 290 mg/L

Toxicity to alga : *Scenedesmus quadricauda* : ErC₅₀ (72 h) 28.8 mg/L

Chronic aquatic toxicity :

Toxicity to fish : No data available

Toxicity to crustacea : No data available

Toxicity to alga : No data available
Procymidone Green alga : NOECr (0-72 h) 0.87 mg/L

Others : No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Hazardousness to the ozone layer

UNEP - Not listed in Handbook for the Montreal Protocol on Substances that Deplete the Ozone Layer

13. DISPOSAL CONSIDERATIONS

Disposal methods Store in the closed original container in a well-ventilated area, as cool as possible, although avoid freezing. Do not store for prolonged periods in direct sunlight. 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

14. TRANSPORT INFORMATION**International regulation****IMDG-Code**

UN number : UN3082
Proper shipping name : Environmentally Hazardous Substance, Liquid, n.o.s.
(procymidone mixture)
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : YES

Special precautions for user

Remarks Make sure no damage, corrosion, leaks, and so on on the container(s) before transportation. Load not to fall, drop, damage the product, and make sure to take measures to secure the loaded products. Equip in automobile or ship for transportation with protective equipment (gloves, eyeglasses, mask, etc), and fire extinguisher, tools necessary for emergency.

15. REGULATORY INFORMATION APVMA Approval No 50883/0905

16. OTHER INFORMATION The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.