

TIGER 10 EC

SLV 10EC Page 1 of 3
 First issue : Sep 2, 2002
 Revised : Oct. 21, 2003
 Version : 2
 MSDS No. TJ7200-2E

 SUMITOMO CHEMICAL COMPANY, LIMITED

MATERIAL SAFETY DATA SHEET/S-71639 10EC

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name : S-71639 10EC
 Synonym(s) :
 Product Code : SF05
 General Use : Plant Protection Chemical
 Product Description : Insecticide
 MSDS Number : TJ7200-2E

MANUFACTURER :

Company Name : Sumitomo Chemical Co., Ltd.
 Address : Plant Protection Division, Marketing Dept.- International;
 27-1, Shinkawa 2-Chome, Chuo-Ku,
 Tokyo, 104-8260, Japan

EMERGENCY TELEPHONE NUMBER : 03-5543-5731

2. COMPOSITION, INFORMATION ON INGREDIENTS

Components	Chemical name	Wt%	CAS Number
Pyriproxyfen	4-Phenoxy phenyl (RS)-2-(2-pyridyloxy) propyl ether	10(W/V), 11(W/W)	95737-68-1
Solvent etc.		Others	

3. HAZARDS IDENTIFICATION

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Remove contaminated clothing immediately and wash skin thoroughly with soap and water. If eyes are splashed, rinse them immediately for at least 15 minutes with a large volume of water. In case this material is swallowed, consult a doctor as soon as possible.

5. FIRE FIGHTING MEASURES

Extinguishing media	dry chemical powder, carbon dioxide. Large fire : foam, watersprey.
Unsuitable extinguishing media	none known.
Special exposure hazards	none known.
Hazardous decomposition/ combustion products	toxic and corrosive products such as NOx, CO
Protective equipment	Wear self contained breathing apparatus. Wear suitable protective clothing and eye/face protection.
Other information	Water used to extinguish a fire should not be allowed to enter the drainage system or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	For personal protection see Section 8.
Environmental precautions	Do not allow to escape into sewage system or water courses.
Methods for cleaning up	In case of spill (liquid), soak it up immediately with suitable absorbent, such as sawdust or granular absorbent clay. Sweep up and dispose as waste following local regulations.

SLV 10EC Page 2 of 3
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7. HANDLING AND STORAGE

In case of spill (liquid), soak it up immediately with a suitable absorbent, such as sawdust or granular absorbent clay. Then, scrub contaminated area with detergent and water. Put wastes in a disposal container. During the clean-up operation, wear protective clothing and equipment, such as worksuit, hat, face-shield, safety glasses, mask, rubber gloves, rubber or plastic apron and boots.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION, ENGINEERING CONTROLS :

Engineering controls	Provide adequate ventilation.
Exposure limits	No exposure limits have been established for this material.
Personal protection	
Respiratory	The usual precautions for handling chemicals should be observed.
Hand	Wear protective gloves of rubber.
Eye	Wear safety goggles.
Skin and body	Wear suitable protective clothing.
Other information	Laundry clothes before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	transparent liquid
Colour	pale yellow
Odour	slightly characteristic odor
Boiling point/range	not applicable
Melting point/range	not applicable
Flash point	66°C
Flammability	not available
Explosive properties	not available
Oxidizing properties	not available
Vapour pressure	not applicable
Density / Bulk density	0.89 - 0.93
Solubility in water	emulsifiable in water
Solubility in other solvents	not applicable
pH value	4 - 7
Partition coefficient n-octanol/water	not available

10. STABILITY AND REACTIVITY

Stability	Stable for 3 years after manufacturing under recommended storage and handling conditions (see section 7).
Materials to avoid	alkaline materials, oxidizing agents.
Hazardous decomposition products	toxic and corrosive products such as NO _x , CO

11. TOXICOLOGICAL INFORMATION

Acute toxicity	
Oral LD50	rat: 4733 mg/kg(males)
Dermal LD50	3773mg/kg(females)
Inhalation LC50	rabbit: > 2000 mg/kg
Irritation	rat: >3100 mg/M3 (4 hr exposure)
Skin	irritant
Eye	irritant
Skin Sensitization	

SLV 10EC Page 3 of 3
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12. ECOLOGICAL INFORMATION

No experimental toxicological data are available for the formulation. The following data are for the active ingredient(s).

Ecotoxicity /

Very toxic to aquatic organism

fish

Acute toxicity, 96h-LC50 (*Oncorhynchus mykiss*): 0.325 mg/l

daphnia

Acute toxicity, 48h-EC50 (*Daphnia magna*): 0.40 mg/l

algae

Acute toxicity, 72h-EC50 (*Selenastrum capricornutum*): 0.064mg/l

13. DISPOSAL CONSIDERATIONS

Product

According to local regulations. For further advice contact manufacturer.

Contaminated packaging

According to local regulations.

14. TRANSPORT INFORMATION

IMO/IMDG code

Class

none

Packing group

none

UN Number

none

Marine pollutant

no

Proper shipping name

none

15. REGULATORY INFORMATION

Please follow local regulation

16. OTHER INFORMATION

The information is believed to be accurate and represents the best information currently available to us. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.