

GOKILAHT-S 5EC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING

Product label name	5% d,d,T-cyphenothrin
Supplier	Formulated by SUMITOMO CHEMICAL CO. LTD., JAPAN Regional sales office: SUMITOMO CHEMICAL SINGAPORE PTE. LTD. 150, Beach Road #19-05/07 Gateway West Singapore 189720 Tel.: +65 6291 9636 Local sales office: SUMITOMO CHEMICAL ENVIRO-AGRO ASIA PACIFIC SDN. BHD.. Lot 62A, Persiaran Bunga Tanjung 1, Senawang Industrial Park, 70400 Seremban, Negeri Sembilan, Malaysia. Tel.: +606 6793711
Emergency telephone (not 24hrs)	+60 6 679 3711 (Fax no.: +60 6 679 3698) OR +65 6291 9636 (Fax. no. +65 6296 3779)
Intended use	Insecticide - For dilution and use as a space / surface spray

2. COMPOSITION/INFORMATION ON INGREDIENTS

This product is to be considered as a preparation in conformance to EC directives

Information on hazardous ingredients

Chemical description 5% d,d,T-cyphenothrin

Composition / information on ingredients

Number	% w/v	CAS-number	Chemical name
1	5.0	39515-40-7	(RS)-alpha-cyano-3-phenoxybenzyl(1R)-cis,trans-chrysanthemate
2	10.0	(*)	Surfactant
3	Balance	64742-47-8	Petroleum distillates

Number	EC-number	Annex-1 number	Symbol(s)	Risk-phrase(s)
1	254-484-5		N Xn	R22 R50/53
2	(*)		Xn	R10 R20/21 R36/R38
3	265-149-8	649-422-00-2	Xn	R65

Other information (*) = All components are registered in EINECS/ELINCS

3. HAZARDS IDENTIFICATION

Harmful if swallowed. May cause lung damage if swallowed. May cause skin and eye irritation.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Symptoms and effects	Harmful if swallowed. May cause skin and eye irritation.
First aid	
General	In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation	Move to fresh air. Give the victim rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Never give anything by mouth to an unconscious person. Get immediate medical attention.
Skin	Remove contaminated clothing. Wash immediately with soap and water. Get medical attention if irritation develops or persists.
Eye	Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention. Remove contact lenses if worn.
Ingestion	Rinse mouth with plenty of water and call a physician. Do not induce vomiting. Never give anything by mouth to an unconscious or confused person. Seek medical advice.
Advice to physician	Symptomatic treatment is advised.

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5. FIRE FIGHTING MEASURES

Extinguishing media	Extinguish a small fire with powder or carbon dioxide then apply water to prevent re-ignition. Large fires: foam
Unsuitable extinguishing media	None known.
Special exposure hazards	None known.
Hazardous decomposition /combustion products	Thermal decomposition will produce CO, NOx or HCN.
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 watercourses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	For personal protection see Section 8.
Environmental precautions	Do not allow to escape into sewage system or watercourses.
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. Do not wash residues into drains or other waterways.

7. HANDLING AND STORAGE

Handling	The usual precautions for handling chemicals should be observed. For personal protection see Section 8.
Fire and explosion prevention	No specific recommendations.
Storage requirements	Store in a dry well ventilated place away from sources of heat and direct sunlight. Avoid high temperature.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering controls	Provide adequate ventilation.
Exposure limits	Not available
Personal protection	
General	The usual precautions for handling chemicals should be observed.
Respiratory	Wear air-purifying respirator equipped with organic vapor cartridges or canisters.
Hand	Wear protective gloves of rubber.
Eye	Wear suitable goggles.
Skin and body	Wear suitable protective clothing
Other Information	Laundry clothes before reuse.

9. ACCIDENTAL RELEASE MEASURES

Appearance	Liquid
Colour	Pale yellow
Odour	Faint characteristic odour
Boiling point/range	Not determined
Melting point/range	Not applicable
Flash point	95.0 °C (Cleveland open method)
Flammability	Not determined
Autoignition temperature	Not determined
Explosive properties	Not available
Explosion limits	Not determined
Oxidising properties	Not relevant
Vapour pressure	Not determined
Density	0.892 (20 °C)

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Bulk density	Not applicable
Solubility in water	Emulsifiable in water
Solubility in other solvents	Not available
pH value	7.2 (0.04 g/ml distilled water)
Partition coefficient n-octanol/water	Not determined
Relative vapour density (air=1)	Not determined
Viscosity	5×10^{-3} Pa/s 20.0 °C)

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage and handling conditions (see Section 7)
Conditions to avoid	Heat, sources of heat, naked flames, sparks.
Materials to avoid	No available
Hazardous decomposition products	Emits toxic fumes under fire conditions (see also Section 5)

11. TOXICOLOGICAL INFORMATION

DATA **Substance tested is GOKILAHT-S 5EC**

Acute toxicity

Oral LD₅₀	male rat: 4220 mg/kg Female rat: 3910 mg/kg
Dermal LD₅₀	rat: > 2000 mg/kg

Irritation

Skin	Rabbit:	Moderately irritating
Eye	Rabbit:	Moderately irritating
Sensitisation	Guinea Pig:	Negative

12. ECOLOGICAL INFORMATION

No experimental ecological data are available on the preparation as such. The following data are applicable to the ingredient(s) listed below:

Name	Cyphenothrin
Ecotoxicity fish	Acute toxicity, 96h-LC ₅₀ (Rainbow trout) : 0.38 µg/l
daphnia	Acute toxicity, 48h-EC ₅₀ (Water flea) : 1.2 µg/l

13. DISPOSAL CONSIDERATIONS

Product	According to local regulations. For further advice contact manufacturer
Contaminated packaging	According to local regulations

14. TRANSPORT INFORMATION

Land transport (ADRI RID)

ADR class	9	ADR/RID item No.	11c / 11c
RID class	9	ADR/RID packing group	III
Hazard identification No.	90	Substance identification No.	3082
TREM-Card	CEFIC TEC(R)- 90G01	UN number	3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (Contains: d,d,T-cyphenothrin)		

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Sea transport (IMDG-code / IMO)

IMO / IMDG code		Class	9
Packing group	III, page 9028	UN number	3082
EMS	none	MFAG	none
Marine pollutant	no		
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (Contains: d,d,T-cyphenothrin)		

Air transport (ICAO-TI / IATA-DGR)

ICAO-TI / IATA-DGR		UN number	3082
Class	9	Packing group	III
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (Contains: d,d,T-cyphenothrin)		

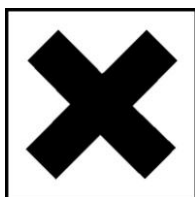
15. REGULATORY INFORMATION

Chemical description 5% d,d,T-cyphenothrin

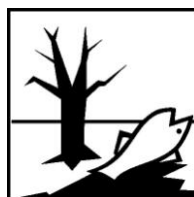
Labeling according to EC directives

EC-number See section 2

Classification based on Test



HARMFUL (Xn)



DANGEROUS FOR THE ENVIRONMENT (N)

Symbol(s)

R(isk) phrase(s)

R22: Harmful if swallowed.
 R51/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
 R65: Harmful: May cause lung damage if swallowed.

S(afety) phrase(s)

S2: Keep out of reach of children
 S23: Do not breathe spray or vapour
 S24: Avoid contact with skin.
 S36: wear suitable protective clothing
 S57: Use appropriate container to avoid environmental contamination
 S60: This material and its container must be disposed of as hazardous waste
 S61: Avoid release to the environment. Refer to special instructions / Safety data sheets
 S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible

16. OTHER INFORMATION

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

R-phrase information

Chemical name
 (RS)-alpha.-cyano-3-phenoxybenzyl (1RS)-
 cis,trans-chrysanthemate

Risk-phrase(s)
 R22 R50/53

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

History

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Date of printing/pdf file generated	17/05/2012
Revision	1
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