

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006



SX CYPERBUG RTU

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

Product Name SX Cyperbug RTU
Use Insecticide RTU
Registration : HSE 8588

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2. HAZARDS IDENTIFICATION.

Risk advice to man and the environment

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

3. COMPOSITION / INFORMATION ON INGREDIENTS.

Chemical Nature Microemulsion concentrate
0.1%(w/w) Cypermethrin

Hazardous Components

Chemical Name	CAS No.	Symbol(s)	R-Phrase(s)	Conc. [%]
Cypermethrin	52315-07-8	Xn, N	20/22, 36/38, 43, 50/53	0.1
Surfactant Blend	00000-00-0	Xi	41	< 5
Dodecyl Benzenesulphonic Acid	27176-87-0	C, Xn	22, 34	< 1

Full R-phrases are used in this section can be found in section 16.

4. FIRST AID MEASURES.

General Advice	Remove all contaminated clothing immediately and launder or dispose of safely.
Inhalation	Move to fresh air. Keep patient warm and at rest. If symptoms persist call a physician.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.
Skin Contact	In case of skin contact, immediately wash with plenty of soap and water for at least 15 minutes. After skin contact, apply vitamin E or simple body milk. If symptoms persist call a physician.
Ingestion	Rinse mouth out and give water in small sips to drink. Do NOT induce vomiting. If swallowed seek medical advice immediately and show this container or label.
Notes to Physician	No specific treatment. May cause paraesthesia which is usually transient within 24 hours. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media

High volume water jet.

Specific Hazards during Fire Fighting

Dangerous gases are evolved in the event of a fire.

Heated containers may increase in pressure and may burst.

Special Protective Equipment for Fire-Fighters

In the event of fire and/or explosion do not breathe fumes.

In the event of fire wear self-contained breathing apparatus.

Additional Information

Remove containers from areas of fire or cool to prevent pressure build up.

Whenever possible, contain fire-fighting water by diking area with sand or earth.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Keep people away from and upwind of spill/leak.

Avoid contact with spilled product or contaminated surfaces.

When dealing with spillage wear appropriate PPE. (see section 8)

When dealing with spillage do not eat, drink or smoke.

Environmental Precautions

Do not allow to get into surface water, drains and ground water.

If spillage enters drains leading to sewage works inform local water company immediately.

If spillage enters rivers or water courses, inform the Environment Agency (emergency number 0800 807060).

Clean Up Procedure

Soak up with inert absorbent material (eg sand, silica gel, binders).

Keep in suitable closed containers for disposal. (see section 13)

Clean floor with plenty of water.

7. HANDLING AND STORAGE

Handling	No specific precautions required when handling unopened packs/containers. Follow relevant manual handling advice. Appropriate PPE should be worn when necessary. Do not eat drink or smoke when handling. Do not breathe spray mist. Avoid release into the environment. Empty containers may contain hazardous product residues.
Storage	Keep out of the reach of children. Store only in original container, in a dry, cool and well ventilated place. Keep away from direct sunlight. Keep away from food drink and animal feedingstuffs. Protect from frost.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Refer to COSHH assessment (Control of substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer to COSHH Essentials.

Component	CAS No	Exposure Limits	Basis
Cypermethrin	52315-07-8	0.05mg/m ³	OES

Monitoring	If product contains component(s) with exposure limits, personal, workplace, atmospheric or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use protective respiratory equipment. Reference should be made to European standard EN689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.
Occupational Exposure	If user operations generate dust, fumes, gas, vapour or mist use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended statutory limits.
Hygiene Measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, drinking, smoking and using the lavatory at the end of a working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.
Respiratory Protection	This product should not require respiratory protection if used in accordance with label. For emergency or other use : When spraying diluted product use a properly fitted air purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended : Full mask with ABEK Filter
Hand Protection	This product should not require hand protection if used in accordance with label. For emergency or other use :

Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling the product if a risk assessment indicates this is necessary. Dispose of when contaminated inside or when perforated. Hands should be washed even after wearing gloves before eating, drinking, smoking or using the lavatory.

Recommended : Butyl rubber / nitrile gloves.

Eye Protection

This product should not require eye protection if used in accordance with label.

For emergency or other use :

Safety eyewear complying with an approved standard should be worn at all times when handling the product if a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Recommended : Safety glasses with side shields.

Skin protection

This product should not require skin protection if used in accordance with label.

For emergency or other use :

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Recommended : Wear protective clothing

Environmental Exposure

Steps should be taken to ensure that this product is not released accidentally into the environment.

For emergency or other 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

9. PHYSICAL AND CHEMICAL PROPERTIES

General	Appearance	Liquid Microemulsion
	Colour	Colourless Coloured
	Odour	Characteristic
Safety	pH	~ 4.0
	Density	~ 1.000 g/ml @ 20°C
	Flash Point	> 100°C
	Water Solubility	Completely soluble

10. STABILITY AND REACTIVITY

Stability	This product is stable.
Material to Avoid	No specific data.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Hazardous Decomposition	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD50 (rat)	251 mg/Kg *	
Acute Inhalation Toxicity	LC50 (rat)	No Data *	(4hour Exposure)
Acute Dermal Toxicity	LD50 (rat)	>2000 mg/Kg *	
Skin Irritation	This product may be irritating to the skin**.		
Eye Irritation	This product may be irritating to the eyes**.		
Sensitization	Contains Cypermethrin. May produce an allergic reaction.		
Other	Cutaneous sensitisations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max. 24 hours) * - This product has not been tested. This data is for Cypermethrin ** - This product has not been tested, this data has been calculated.		

12. ECOLOGICAL INFORMATION

Bioaccumulation	no data
Toxicity to Fish	LC50 No Data Exposure time : 96 hours
Toxicity to Daphnia	EC50 No Data Exposure time : 24 hours
Toxicity to Algae	LC50 No Data Exposure time : 96 hours
Other	This product has not been tested an the data is for Cypermethrin. However, this product contains substances which are known to be hazardous to the environment.

13. DISPOSAL CONSIDERATIONS

The generation of all waste should be avoided or minimised wherever possible. Recycling should also be considered before the disposal of any waste
Contaminated packaging and waste product must be disposed of via a licensed waste disposal contractor.
Any disposal practice must be in compliance with local and national laws and regulations

Outer packaging	EWC code :	15 01 01	(Paper or cardboard)
Bottle	EWC code :	15 01 02	(Plastic)
Damaged or leaking Packaging	EWC code :	15 01 10*	(Contaminated packaging)
Liquid product	EWC code :	20 01 19*	(Pesticides)

14. TRANSPORT INFORMATION

ADR/RID/ADNR
UN Number UN3082
ADR Class 9
Packaging Group III
Hazard No 90
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Contains Cypermethrin)

IMDG
UN Number UN3082
ADR Class 9
Packaging Group III
EmS F-A, S-F
Marine Pollutant Marine Pollutant
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Contains Cypermethrin)

IATA
UN Number UN3082
ADR Class 9
Packaging Group III
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Contains Cypermethrin)

15. REGULATORY INFORMATION

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and taken into account the intended product use

Hazard Symbol(s)



Contains Cypermethrin

Risk Phrases R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Safety Phrases S2 Keep out of the reach of children.
S35 This material and its container must be disposed of in a safe way.
S57 Use appropriate containment to avoid environmental contamination.

V.O.C.content (EU) VOC (%w/w) :

16. OTHER INFORMATION

Full Text Classifications

Xi - Irritant

N - Dangerous for the Environment

Xn - Harmful

R20/22 - Harmful by inhalation and if swallowed.

R34 - Causes burns

R36/38 - Irritating to skin and eyes.

R41 - Risk of severe damage to eyes.

R43 - May cause sensitisation by skin contact.

R50/53 - Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Use only in accordance with label instructions.

The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by legislation.

The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations.

The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This data sheet is intended to provide general health and safety guidance on the storage and transportation of the preparation. The information in this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by Enviroquest Group Limited for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature.