

SAFETY DATA SHEET

SX Mini Smoke

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name SX Mini Smoke

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier SX ENVIRONMENTAL SUPPLIES
UNIT 4, AIRBOURNE IND.EST.
ARTERIAL ROAD,
LEIGH ON SEA
ESSEX
United Kingdom
+44 (0) 1702 524040
+44 (0) 1702 512635

1.4. Emergency telephone number

+44(0) 1702 524040

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xn;R20/22. R43. N;R50/53.

Physical and Chemical Hazards

Product burns without a flame to give a dense white harmful smoke.

2.2. Label elements

Contains PERMETHRIN

Labelling



Harmful



Dangerous for the environment

Risk Phrases

R43	May cause sensitisation by skin contact.
R20/22	Harmful by inhalation and if swallowed.
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.
S13	Keep away from food, drink and animal feeding stuffs.
S16	Keep away from sources of ignition - No smoking.
S20/21	When using do not eat, drink or smoke.
S23	Do not breathe vapour/spray.
S24	Avoid contact with skin.
S35	This material and its container must be disposed of in a safe way.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S57	Use appropriate containment to avoid environmental contamination.
S23	Do not breathe spray.
	Do not breathe smoke/fumes.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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3.2. Mixtures

PERMETHRIN		10-30%
CAS-No.: 052645-53-1	EC No.: 258-067-9	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn;R20/22 R43 N;R50/53	
POTASSIUM CHLORATE		10-30%
CAS-No.: 3811-04-9	EC No.: 223-289-7	
Classification (EC 1272/2008) Ox. Sol. 1 - H271 Acute Tox. 4 - H302 Acute Tox. 4 - H332 Aquatic Chronic 2 - H411	Classification (67/548/EEC) O;R9 Xn;R20/22 N;R51/53	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures**General information**

Remove affected person from source of contamination. Remove contaminated clothing immediately and dispose of safely.

Inhalation

Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly. DO NOT induce vomiting. Get medical attention immediately.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed**4.3. Indication of any immediate medical attention and special treatment needed**

This product contains a Pyrethroid, and MUST NOT be confused with organophosphorus compounds.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media**Extinguishing media**

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use high volume water jet.

5.2. Special hazards arising from the substance or mixture**Unusual Fire & Explosion Hazards**

In case of fire the evolution of dangerous gases is possible. Contains potassium chlorate which is classified as an oxidising agent. This will assist combustion in a fire situation.

5.3. Advice for firefighters

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Special Fire Fighting Procedures

Avoid breathing fire vapours. Containers close to fire should be removed or cooled with water. Dike and collect extinguishing water.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Avoid contact with skin or inhalation of spillage, dust or vapour. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Do not contaminate water sources or sewer.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Avoid inhalation of dust and contact with skin and eyes. Do not eat, drink or smoke when using the product.

7.2. Conditions for safe storage, including any incompatibilities

Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in tightly closed original container in a dry and cool place. Keep away from heat, sparks and open flame.

Storage Class

Keep in pesticide store - product is an insecticide of low toxicity. Physically and chemically stable for at least 2 years when stored in the original, unopened containers at ambient temperatures.

7.3. Specific end use(s)

Usage Description

Pesticide smoke generator.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ingredient Comments

When using this product, refer to the label for details. Should it be necessary to enter the treated area whilst smoke remains in the atmosphere, respiratory protective equipment and eye protection must be used (see HSE Guidance Booklet (HS)G53 'Respiratory Protective Equipment - A Practical Guide for Users')

8.2. Exposure controls

Protective equipment



Respiratory equipment

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

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Hygiene measures

Wash contaminated clothing before reuse. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Skin protection

Wear apron or protective clothing in case of contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Powder
Colour	White / off-white.
Odour	Characteristic.
Solubility	Slightly soluble in water.
Auto Ignition Temperature (°C)	>130

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials To Avoid

Flammable/combustible material.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

Oral LD50 (rat) 1479 mg/kg Permethrin,
Oral LD50 (rat) 1260 mg/kg Potassium Chlorate.

Inhalation

Smoke may cause upper airway irritation.

Ingestion

Burning in mouth, vomiting, nausea, tremors and convulsions may occur.

Skin contact

May cause skin irritation/eczema. May cause sensitisation by skin contact.

Eye contact

May cause temporary eye irritation.

Route of entry

Inhalation. Skin and/or eye contact. Ingestion.

SECTION 12: ECOLOGICAL INFORMATION

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12.1. Toxicity

Acute Fish Toxicity

Very toxic to aquatic organisms.

LC 50, 96 Hrs, Fish mg/l	0.0076
EC 50, 48 Hrs, Daphnia, mg/l	0.00017
IC 50, 72 Hrs, Algae, mg/l	0.497

12.2. Persistence and degradability

Degradability

The product is not readily biodegradable.

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

General information

This material and its container must be disposed of in a safe way.

13.1. Waste treatment methods

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN)	3077
UN No. (IMDG)	3077
UN No. (ICAO)	3077

14.2. UN proper shipping name

Proper Shipping Name ENVIROMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PERMETHRIN MIXTURE)

14.3. Transport hazard class(es)

ADR/RID/ADN Class	9
ADR/RID/ADN Class	Class 9: Miscellaneous dangerous substances and articles.
IMDG Class	9
ICAO Class/Division	9

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group	III
IMDG Packing group	III

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ICAO Packing group III

14.5. Environmental hazards

14.6. Special precautions for user

EMS F-A, S-F

Emergency Action Code 90

Hazard No. (ADR) 90 Environmentally hazardous substance; miscellaneous dangerous substances.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Uk Regulatory References

This product is approved under the Control of Pesticides Regulations 1986. HSE No. 9306

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

General information

This product is approved under the Control of Pesticides Regulations 1986 (as amended). The information contained in this Safety Data Sheet is believed to be true and correct, as of the issue date. The accuracy and completeness of this information and any recommendations, or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use for this product.

Revision Comments

HSE No. Updated

Revision Date 24/03/2011

Revision 6

Date 24/03/2011

Risk Phrases In Full

R9 Explosive when mixed with combustible material.
 R20/22 Harmful by inhalation and if swallowed.
 R43 May cause sensitisation by skin contact.
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H332 Harmful if inhaled.
 H302 Harmful if swallowed.
 H317 May cause an allergic skin reaction.
 H271 May cause fire or explosion; strong oxidiser.
 H411 Toxic to aquatic life with long lasting effects.
 H410 Very toxic to aquatic life with long lasting effects.
 H400 Very toxic to aquatic life.

Disclaimer

This 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 a process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.