



Material Safety Data Sheet

According to EC Directive 1907/2006

Print date: 09-Apr-2008

Revision Number: 0

Revision date:

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

Identification of the substance or preparation

MSDS Ref. No.: 011453
Product name: Crossfire 480

Use of the Substance/Preparation

Recommended use: Insecticide.

Company/Undertaking Identification
 • Scotts UK Professional, Paper Mill Lane, Bramford, Ipswich, Suffolk IP8 4BZ
 United Kingdom

Emergency telephone number: • ++44 (0) 1865 407333 (24h)

Email: INFO-MSDS@Scotts.com

2. HAZARDS IDENTIFICATION

Classification

Xn - Harmful
N - Dangerous for the environment

Most important hazards

Flammable.
Harmful: may cause lung damage if swallowed.
Harmful by inhalation and if swallowed.
Irritating to eyes, respiratory system and skin.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
Chlorpyrifos	002921-88-2	> 25%	220-864-4	N;R50/53 T;R25

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Components	CAS-No	Weight %	EC-No.	Classification
Aromatic solvent	64742-95-6	> 25%	649-356-00-4	N;R51/53 R10 Xn;R65-66-67-37
Aromatic hydrocarbaon solvent	064742-94-5	1 - 5%		Xn;R65 R66-67 N;R51/53
4-Dodecylbenzenesulfonic acid calcium salt	26264-06-2	1 - 5%	USA34	Xi;R38-41

NE = Non-Established

For the full text of the R phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

General advice:	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Ingestion:	Do not induce vomiting. Consult a physician. Immediate medical attention is required.
Inhalation:	Move to fresh air. Consult a physician.
Skin contact:	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.
Eye contact:	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Immediate medical attention is required.
Notes to physician:	This material contains both a cholinesterase inhibitor and a solvent. Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PA M/protopam, may be therapeutic if used early; however, use only in conjunction with atropine. If lavage is performed, suggest endotracheal and/or oesophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach.. Supportive care. Treatment based on judgement of physician in response to symptoms of patient..

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water spray mist or foam. Carbon dioxide (CO₂). dry chemical.

Unsuitable extinguishing media:

Not applicable

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases:

Rapid decomposition occurs above 160 °C. During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.. During fire there might be a release of: . Sulphur oxides. Nitrogen oxide . hydrogen chloride.

Special protective equipment for firefighters:

Use personal protective equipment. Self-contained breathing apparatus and suitable protective clothing.

Specific methods:

Water mist may be used to cool closed containers. Contain the spread of the fire-fighting media..

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Remove all sources of ignition. Wear suitable protective clothing.

Environmental precautions:

Do not contaminate water. Do not flush into surface water or sanitary sewer system. Advise water authority if spillage has entered water course or drainage system..

Methods for cleaning up:

Prevent further leakage or spillage. Soak up with inert absorbent material. Shovel into suitable container for disposal.

7. HANDLING AND STORAGE

Handling:**Technical measures/precautions:**

Read and follow label instructions.

Safe handling advice:

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. When using, do not eat, drink or smoke. Wash hands and exposed skin after use / handling.

Storage:**Technical measures/storage conditions:**

Store in original container. Keep in a dry, cool and well-ventilated place. Keep tightly closed. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.

Incompatible products:

No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Ensure adequate ventilation.. Read and follow label instructions.

Occupational exposure controls**Personal protective equipment****Respiratory protection:**

Respirator with FFP3 filter.

Hand protection:

Chemical resistant gloves.

Eye/face protection

Safety glasses with side shields or goggles.

Skin and body protection:

Wear suitable protective clothing.

Hygiene measures

General industrial hygiene practice.

Exposure limit values*Chlorpyrifos*

Germany TRGS900:
UK EH40 WEL:

0,2 mg/m³
LTEL (8hr TWA) 0.2mg/m³
STEL (15 min) 0.6mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State: Liquid
Color: Yellow
Odor: No information available

Important Health Safety and Environmental Information

Flash point: 53.5 (°C)
Density: 1.07g/cm³ (approx.)
Solubility: Emulsifiable
Explosive properties: Not explosive
Flammability (solid, gas): >400 °C

Other information

Oxidising properties: Not oxidizing .
pH: 7.0 (1 % solution in water.)
Viscosity: 2.22mm²/s (40°C)

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Conditions to avoid: Protect from extremes of temperature. Chlorpyrifos: Rapid decomposition occurs above 160°C. . Product undergoes exothermic decomposition which can lead to high temperatures and violent decomposition if heat developed is not removed..

Materials to avoid: Strong acids and strong bases. Strong oxidising agents.

Hazardous decomposition products: No decomposition if stored normally

11. TOXICOLOGICAL INFORMATION

Component information

Product information

LD50/dermal/rat = >2000mg/kg
LD50/oral/rat = 300<500

Local effects

Skin effects: Irritating to skin.
Eye effects: Irritating to eyes.
Inhalation: Harmful by inhalation.
Ingestion: Harmful if swallowed.

12. ECOLOGICAL INFORMATION

Product information

Aquatic toxicity:

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

Component information

Additional ecological information:

Toxic to bees

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods:

Do not contaminate ponds, waterways or ditches with chemical or used container. Do not empty into drains. Dispose of in accordance with local regulations and national regulations.

Contaminated packaging:

Do not re-use container for any other purpose and dispose of safely. . Dispose of in accordance with local regulations and national regulations.

14. TRANSPORT INFORMATION

Product information

Physical State:

Liquid

ADR/RID

UN-No:

3017

Proper shipping name:

ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE
(Chlorpyrifos 45% and Aromatic Hydrocarbon) .

Hazard Class:

6.1

Packing group:

III

Label

6.1 + 3

IATA

UN-No:

3017

Proper shipping name:

ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE
(Chlorpyrifos 45% and Aromatic Hydrocarbon)

Packing group:

III

Label

6.1 + 3

IMO / IMDG

UN-No:

3017

Proper shipping name:ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC,
FLAMMABLE
(Chlorpyrifos 45% and Aromatic Hydrocarbon)**Description:**

Marine Pollutant

Label

6.1 + 3

EmS:

6.1 - 01

15. REGULATORY INFORMATION**Indication of danger:**

Xn - Harmful.

N - Dangerous for the environment.

**R -phrase(s)**

R10 - Flammable.

R65 - Harmful: may cause lung damage if swallowed.

R20/22 - Harmful by inhalation and if swallowed.

R36/37/38 - Irritating to eyes, respiratory system and skin.

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

S -phrase(s)

S 2 - Keep out of the reach of children.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S29 - Do not empty into drains.

S35 - This material and its container must be disposed of in a safe way.

S36 - Wear suitable protective clothing.

S57 - Use appropriate container to avoid environmental contamination.

S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Registration number UK/Eire

MAPP: 12516

PCS No.: 92050

16. OTHER INFORMATION**Text of R Phrases mentioned in Section 3**

R10 - Flammable.

R25 - Toxic if swallowed.

R37 - Irritating to respiratory system.

R38 - Irritating to skin.

R41 - Risk of serious damage to eyes.

R65 - Harmful: may cause lung damage if swallowed.

R66 - Repeated exposure may cause skin dryness or cracking.

R67 - vapors may cause drowsiness and dizziness.

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

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

16. OTHER INFORMATION

Reason for revision:

*** Indicates changes since the last revision. This version replaces all previous versions

Prepared by:

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End of Safety Data Sheet