

MATERIAL SAFETY DATA SHEET

According to EC Regulation 1907/2006 (Reach), Regulation EU No. 453/2010

Print Date: 03-Jul-2013

Revision Number: 2

Revision Date: 26-Jun-2013

1. Identification of the Substance/Preparation and of the Company/Undertaking

Identification of the substance or preparation

MSDS Ref. No.: 5206.01.25
Product Name: Sportsmaster Renovator Pro

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

Recommended Use

Fertilizer. Restricted to professional users.

Uses advised against

Consumer use.

Company/undertaking identification

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2. Hazards Identification

Classification

Indication of danger:

To avoid risks to man and the environment, comply with the instructions for use.

The product is classified and labelled in accordance with Directive 1999/45/EC

Labelling

Contains mecoprop-P (iso-octyl ester). May produce an allergic reaction

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S -phrase(s)

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

S29 - Do not empty into drains

Do not contaminate water with the product or its container.

3. Composition/information on Ingredients

Chemical nature of the preparation

Ingredients	CAS-No	Weight %	EC-No.	Classification	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Iron sulphate, FeSO ₄ +1H ₂ O	7720-78-7	> 25%	231-753-5	Xn; R22 Xi; R36/38	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H302)	01-2119513203-57
Single Super Phosphate; SSP	8011-76-5	10 - 25%	232-379-5	Xi;R41	Eye Dam. 1 (H318)	01-2119488967-11-000 3
MCPA (2-ethylhexyl esters of)	607-052-009	0.1 - 1%	249-636-2	Xn: R20/21/22	no data available	no data available
Mecoprop-P (2-ethylhexyl esters of)	607-423-005	0.1 - 1%	607-049-00-2	Xn;R22,43 N;R50/53	no data available	no data available

NE = Non-Established.

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

Full text of H- and EUH-phrases: see section 16

4. First aid measures

4.1. Description of first aid measures

General advice: Contains mecoprop-P (iso-octyl ester). May produce an allergic reaction.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

Inhalation: Move to fresh air. If symptoms persist, call a physician.

Skin contact: If skin irritation persists, call a physician.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Protection of first-aiders: Low hazard for usual industrial or commercial handling.

Notes to physician: Artificial respiration and/or oxygen may be necessary.

4.2. Most important symptoms and effects, both acute and delayed

None under normal processing

4.3. Indication of any immediate medical attention and special treatment needed

None under normal processing

5. Fire-fighting measures

Suitable extinguishing media:

Coordinate fire extinguishing measures to fire in surrounding area.

Unsuitable extinguishing media:

High volume water jet.

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

Thermal decomposition can lead to release of irritating gases and vapours. Danger of toxic gases in smoke in case of fire.***

Special protective equipment for firefighters:

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

Specific methods:

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. Accidental release measures

Personal Precautions:

Use personal protective equipment.

Environmental Precautions:

Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up:

Sweep up and shovel into suitable containers for disposal.

7. Handling and Storage

Handling:**Technical measures/precautions:**

Avoid dust formation. Ensure adequate ventilation.

Safe handling advice:

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

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

Store in original container. Keep tightly closed in a dry and cool place.

Incompatible products:

No information available

8. Exposure Controls/Personal Protection

Engineering measures to reduce exposure:

Ensure adequate ventilation.

Occupational exposure controls**Personal Protective Equipment****Respiratory Protection:**

Wear respirator with dust filter.

Hand protection:

Protective gloves. Nitrile rubber.

Eye/face Protection

Face-shield.

Skin and body protection:

Wear suitable protective clothing.

Hygiene measures

Wash hands before stopping and immediately after handling. When using, do not eat, drink or smoke.

Exposure Limit Values

Iron sulphate, FeSO₄·1H₂O

Belgium - 8 Hr TWA

1 mg/m³

Finland - Occupational Exposure Limits - 8 hour

1 mg/m³

Netherlands - OEL - MACs:

1 mg/m³

Norway - 8 h:

0.01 mg/m³

UK EH40 WEL:

LTEL (8 hr TWA) 1 mg/m³STEL (15 min) 2mg/m³MCPA (2-ethylhexyl esters of)

UK EH40 WEL:

LTEL (8hr TWA) 14mg/m³ (supplier data)STEL (15 min) 28mg/m³ (supplier data)Mecoprop-P (2-ethylhexyl esters of)

UK EH40 WEL:

LTEL (8 hr TWA) 15mg/m³ (supplier data)STEL (15 Min) 30mg/m³ (supplier data)

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Color: beige
Odor: Slight

Important Health Safety and Environmental Information

Melting point/range: No information available
Solubility: Partly soluble
Vapour pressure No information available
Vapour density No information available
Explosive properties: Doesn't present explosion hazard
Flammability (solid, gas): Non-flammable

OTHER INFORMATION

pH: 3 - 5
Specific gravity: 750g/l
Viscosity not applicable

10. Stability and Reactivity

Chemical stability Stable under recommended storage conditions

Conditions to Avoid No information available.

Incompatible Materials Strong oxidizing agents. Acids and bases. Strong reducing agents. Flammable materials.

Hazardous Decomposition Products Hydrocarbons.

Hazardous reactions The product itself does not burn.

11. Toxicological Information

Component Information

Iron sulphate, FeSO₄·1H₂O**LD50/oral/rat =** 1389 mg/kg

MCPA (2-ethylhexyl esters of)

LD50/oral/rat = 900 - 1160mg/kg**LD50/dermal/rat =** >4000mg/kg**LC50/inhalation/4h/rat =** >6.36mg/l

Mecoprop-P (2-ethylhexyl esters of)

LD50/oral/rat = 1050mg/kg**LD50/dermal/rat =** >4000mg/kg**LC50/inhalation/4h/rat =** >5.6mg/l

Product Information**Local effects**

Skin effects:	May cause skin irritation in susceptible persons.
Eye effects:	No information available.
Inhalation	No information available.
Ingestion:	No information available.

12. Ecological Information**Product Information**

Aquatic toxicity:	HARMFUL TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
Persistence and degradability	No persistent or cumulative effects were observed
Bioaccumulative potential	Does not bioaccumulate
Mobility in soil	No information available

Component Information*Iron sulphate, FeSO₄+1H₂O*

Ecotoxicity effects EC50/48h/daphnia =>100mg/l

MCPA (2-ethylhexyl esters of)

Ecotoxicity effects LC50/96h/rainbow trout =232mg/l

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. Dispose of in accordance with local regulations.***
Contaminated packaging:	Do not re-use empty containers.

14. Transport Information**Product Information**

Physical state:	solid
<u>ADR/RID</u>	
UN-No:	Not classified for transport
<u>IATA</u>	
UN-No:	Not classified for transport

IMO / IMDG**UN-No:**

Not classified for transport

15. Regulatory information**Indication of danger:**

To avoid risks to man and the environment, comply with the instructions for use.

In accordance with local and national regulations**ICPE (FR):**

Not Applicable

Labelling

Contains mecoprop-P (iso-octyl ester). May produce an allergic reaction

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

R22 - Harmful if swallowed

R41 - Risk of serious damage to eyes

R43 - May cause sensitization by skin contact

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

R36/38 - Irritating to eyes and skin

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

Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed

H318 - Causes serious eye damage

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Reason for revision:

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

Revision Date:

26-Jun-2013

Prepared by:

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End of Safety Data Sheet