

Material Safety Data Sheet

According to EC Regulation 1907/2006

Print date: 14-Jan-2013

Revision Number: 1

Revision date: 17-Sep-2012

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

Identification of the substance or preparation

MSDS Ref. No.: P50034
Product name: Scotts Octave 6x1kg

Use of the Substance/Preparation

Recommended use: Fungicide

Company/Undertaking Identification

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2. HAZARDS IDENTIFICATION

Classification

Indication of danger:

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

Xi - Irritant

N - Dangerous for the environment

R36/38 - Irritating to eyes and skin.

R50/53 - 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

Ingredients	CAS-No	Weight %	EC-No.	Classification
Sodium alkylphthalene sulphonate, formaldehyde condensate	No CAS nr.	5 - 10%	N.E.	Xi;R36/38
Prochloraz-manganese	75747-77-2	< 1%	278-301-3	Xn;R22 N;R50/53

NE = Non-Established

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

4. FIRST AID MEASURES

General advice:	Avoid contact with skin, eyes and clothing. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Ingestion:	Rinse mouth. If conscious, drink plenty of water. If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting.
Inhalation:	Move to fresh air in case of accidental inhalation of vapours. If not breathing, give artificial respiration.
Skin contact:	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
Notes to physician:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Use dry chemical, CO ₂ , water spray or "alcohol" foam.
Unsuitable extinguishing media:	No information available
Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases:	Danger of toxic gases in smoke in case of fire
Special protective equipment for firefighters:	Self-contained breathing apparatus and suitable protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use personal protective equipment. Avoid contact with skin, eyes and clothing.
Environmental precautions:	Do not allow product to enter soil, ground water, natural waterways or sewers. If product enters soil, ground water, natural waterways or drains, inform the local authorities. Keep away from living quarters.
Methods for cleaning up:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel or sweep up. Clean contaminated surface thoroughly. If material is uncontaminated, collect and reuse as recommended for product. Dispose of contaminated material as hazardous waste.

7. HANDLING AND STORAGE

Handling:	
Technical measures/precautions:	No special technical protective measures required. Avoid dust formation. Avoid the accumulation of electrostatic charges.

Safe handling advice:

Dust can form an explosive mixture in air.

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

Keep away from food, drink and animal feeding stuffs. Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep away from heat. Keep away from direct sunlight. Keep at temperatures between 10 °C and 30 °C.

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:**

Do not breathe vapours/dust. Respirator with (e.g. EN 143 or 149, Type P2 or FFP2) filter. Respirator must be worn if exposed to dust.

Hand protection:

Chemical resistant gloves (EN 374) also with prolonged direct contact. Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374. E.g. Nitrile rubber (0.4mm), chloroprene rubber (0.5mm), butyl rubber (0.7mm) and other).

Eye/face protection

Safety glasses with side-shields.

Skin and body protection:

Usual safety precautions while handling the product will provide adequate protection against this potential effect. Chemical resistant apron. Rubber or plastic boots.

Hygiene measures

Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs. Follow good housekeeping practices. Remove and wash contaminated clothing before re-use. Wash hands before stopping and immediately after handling.

Exposure limit values**9. PHYSICAL AND CHEMICAL PROPERTIES****General Information**

Physical State:	Solid
Appearance:	Powder
Color:	Off-white
Odor:	Characteristic

Important Health Safety and Environmental Information

Boiling point/range:	Not applicable
Melting point/range:	139 (°C)
Decomposition temperature:	265 (°C)
Flash point:	Not applicable

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapour pressure	Not applicable
Vapour density	Not applicable
Partition coefficient (n-octanol/water):	Log Pow : 4.12
Explosive properties:	Doesn't present explosion hazard
Flammability (solid, gas):	Not easily flammable

Other information

pH:	No information available
Bulk density:	270 kg/m ³
Viscosity:	Not applicable

10. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	No information available
Hazardous decomposition products	No decomposition if stored normally
Hazardous reactions	None reasonably foreseeable

11. TOXICOLOGICAL INFORMATION

Component information

Product information

LC50/inhalation/4h/rat =	> 2.66 mg/l
LD50/dermal/rat =	> 2,000 mg/kg
LD50/oral/rat =	2,700 mg/kg

Local effects

Skin effects:	Irritating to skin.
Eye effects:	Mild eye irritation.
Inhalation:	May cause sensitization by inhalation
Ingestion:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

12. ECOLOGICAL INFORMATION

Product information

Aquatic toxicity:	LC50/96h/ Oncorhynchus mykiss =2.4 mg/l .
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LC50/48h/daphnia = 4.3 mg/l .

Ecotoxicity

No ecological information is known on the product

Persistence and degradability

No persistent or cumulative effects were observed

Bioaccumulative potential

Does not bioaccumulate

Mobility in soil

No information available

Component information*Prochloraz-manganese***Ecotoxicity effects**

EC50/72h/algae =0.094 mg/l

13. DISPOSAL CONSIDERATIONS**Waste Disposal Methods:**

Do not contaminate ponds, waterways or ditches with chemical or used container. In accordance with local and national regulations. Can be incinerated, when in compliance with local regulations.

Contaminated packaging:

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

14. TRANSPORT INFORMATION**Product information****Physical State:**

Solid

ADR/RID**UN-No:**

3077

Proper shipping name:Environmentally Hazardous Substance Solid
N.O.S.(contains PROCHLORAZ MANGANESE 50%)**Packing group:**

III

IATA**UN-No:**

Not classified for transport

Proper shipping name:Environmentally Hazardous Substance Solid
N.O.S.(contains PROCHLORAZ MANGANESE 50%)**Hazard Class:**

9

Packing group:

III

IMO / IMDG**UN-No:**

3077

Proper shipping name:Environmentally Hazardous Substance Solid
N.O.S.(contains PROCHLORAZ MANGANESE 50%)**Hazard Class:**

9

Packing group:

III

15. REGULATORY INFORMATION

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Indication of danger:

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

In accordance with local and national regulations

GefStoffV (DE): Not applicable

16. OTHER INFORMATION

Text of R Phrases mentioned in Section 3

R22 - Harmful 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.

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

Revision date: 17-Sep-2012

Prepared by: Regulatory Affairs Department (INFO-MSDS@EVERRIS.COM)

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End of Safety Data Sheet