



SAFETY DATA SHEET

according to regulation (EC) no 1907/2006

Grasp 400 SC

Version 1 (UK)

Issue date 11/02/2009

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

Product information

Trade name : **Grasp 400 SC**

Usage : herbicide

Company : Nufarm UK Limited
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Wyke
Bradford
West Yorkshire BD12 9EJ
United Kingdom

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2. HAZARDS IDENTIFICATION

Mildly irritating to eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Aqueous suspension
containing 400g/l Tralkoxydim

Components	CAS-No.	EINECS-No. ELINCS-No.	Symbol(s)	R-phrase(s)	Concentration (w/w)
Tralkoxydim	87820-88-0		N, Xn	R22, R51/53	35.1 %
Naphthalene formaldehyde condensed sulfonate, sodium salt	68425-94-5		Xi	R36/38	0% - 10%

4. FIRST AID MEASURES

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

Skin contact : Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. If symptoms persist, call a physician. Wash contaminated clothing before re-use.

Inhalation : Remove to fresh air, seek medical attention. Keep warm

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



Notes to physician

Treatment : Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- Specific hazards during fire fighting : In the event of fire (NO_x,CO_x,SO₂) may be formed.
- Special protective equipment for fire-fighters : Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
- Suitable extinguishing media : Water spray, Carbon dioxide (CO₂), Dry powder, Alcohol-resistant foam
- Extinguishing media which shall not be used for safety reasons : High volume water jet
- Further information : Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Wear personal protective equipment. (see Chapter 8)
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Sweep up and shovel into suitable containers for disposal.
- Additional advice : Never return spills in original containers for re-use.

7. HANDLING AND STORAGE

Handling

Safe handling advice : Avoid contact with skin and eyes. Wear personal protective equipment.

Storage

- Requirements for storage areas and containers : Store in original container. Keep container tightly closed. Protéger du gel.
- Advice on common storage : Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

- Respiratory protection : Not required; except in case of aerosol formation. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
- Hand protection : PVC or nitrile-rubber gloves
- Eye protection : Safety glasses, or, Goggles
- Skin and body protection : lightweight protective clothing
- Hygiene measures : Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.
- Protective measures : Avoid contact with skin, eyes and clothing. Keep working clothes separately.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- Form : liquid
- Colour : beige
- Odour : No information available.

Other data

- Melting point/range : no data available
- Boiling point/boiling range : no data available
- Flash point : does not flash, The product is not flammable.
- Vapour pressure : no data available
- Density : 1.14 g/cm³
at 20 °C
- Water solubility : completely miscible
- pH : 7.5



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at (25 °C)

Partition coefficient: n-
octanol/water : log POW = -2.1
at 20 °C

(Tralkoxydim)

Viscosity, dynamic : 2,300 mPa.s
at 20 °C

Surface tension : 64 mN/m
at 20 °C

10. STABILITY AND REACTIVITY

Conditions to avoid : No dangerous reaction known under conditions of normal use.

Materials to avoid : Strong oxidizing agents

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat male
Dose: > 3,000 mg/kg

Acute dermal toxicity : LD50 rat
Dose: > 5,000 mg/kg

Acute inhalation toxicity : LC50 rat
Exposure time: 4 h
Dose: > 9.52 mg/l

Skin irritation : rabbit
Remarks: slightly irritating

Eye irritation : rabbit
Remarks: Mild eye irritation

Sensitisation : Buehler Test
Remarks: Weak skin sensitiser in animal tests.



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12. ECOLOGICAL INFORMATION

Ecotoxicity effects

- Toxicity to fish : LC50
Dose: > 6.1 mg/l
Testing period: 96 h
- Toxicity to daphnia : EC50
Dose: > 175 mg/l
Testing period: 48 h
- Toxicity to algae : EC50
Dose: 7.6 mg/l
Exposure time: 120 h
Test substance: (Tralkoxydim)

13. DISPOSAL CONSIDERATIONS

- Product : In accordance with local and national regulations. Where possible recycling is preferred to disposal or incineration. Do not contaminate ponds, waterways or ditches with chemical or used container.

Dispose of product and packaging in accordance with The Green Code. (The Code of Practice for the safe use of Pesticides on Farms and Holdings.) A MAFF Publication.

- Contaminated packaging : Do not re-use empty containers.

Dispose empty and triple rinsed container within a local disposing system according to EC directive 94/62/EC

According to European Directive 2000/532/EC as amended :

- Waste Key Number : 02 01 08 (agrochemical waste containing dangerous substances)



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14. TRANSPORT INFORMATION

UN-Number :

ADR/RID :

Not a dangerous substance as defined in the above regulations.

IMDG :

Not a dangerous substance as defined in the above regulations.

IATA-DGR :

Not a dangerous substance as defined in the above regulations.

15. REGULATORY INFORMATION

S-phrase(s) : S 2 Keep out of the reach of children.
S13 Keep away from food, drink and animal
feedingstuffs.
S20/21 When using do not eat, drink or smoke.

Other regulations : The product is classified and labelled in accordance with EC
directives or respective national laws.

16. OTHER INFORMATION

Print Date : 02/11/2009

(Alterations are indicated in the left hand margin by: ||)

Full text of any R phrases referred to under heading 3:

- R22 - Harmful if swallowed.
- R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R36/38 - Irritating to eyes and skin.



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