

# Safety data sheet

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BASF Safety data sheet according to 91/155/EEC

Date / Revised: 28.07.2005

Product: **STOMP 330 EC**

Version: 2.0

455 23 H

(30131476/SDS\_CPA\_EU/EN)

Date of print 29.07.2005

## 1. Substance/preparation and company identification

### STOMP 330 EC

Company:

BASF Aktiengesellschaft

Unternehmensbereich Pflanzenschutz

67056 Ludwigshafen, Deutschland

Telephone: +49-621-60-79321/ 79145

Telefax number: +49-621-60-79519

E-mail address: [Produktinformation-Pflanzenschutz@basf-ag.de](mailto:Produktinformation-Pflanzenschutz@basf-ag.de)Emergency information:

Fire brigade BASF Ludwigshafen

Telephone: +49-621-60-43333

Telefax number: +49-621-60-92664

## 2. Composition/information on ingredients

Chemical nature

crop protection product, herbicide, emulsion concentrate (EC)

Hazardous ingredients

pendimethalin

Content (W/W): 34 %

CAS Number: 40487-42-1

EC-Number: 254-938-2

INDEX-Number: 609-042-00-X

Hazard symbol(s): Xi, N

R-phrase(s): 43, 50/53

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**Xylene**

Content (W/W):  $\geq 55\%$  -  $\leq 58\%$   
CAS Number: 1330-20-7  
EC-Number: 215-535-7  
Hazard symbol(s): Xn  
R-phrase(s): 10, 20/21, 38, 65

**Ethoxylated propoxylated Alkylphenol (block copolymer)**

Content (W/W):  $\geq 1.1\%$  -  $\leq 1.6\%$   
R-phrase(s): 53

**calciumdodecylbenzenesulfonate**

Content (W/W):  $\geq 2\%$  -  $\leq 2.6\%$   
EC-Number: 247-557-8  
Hazard symbol(s): Xi  
R-phrase(s): 38, 41

**isobutyl alcohol**

Content (W/W):  $\geq 1.3\%$  -  $\leq 1.8\%$   
CAS Number: 78-83-1  
EC-Number: 201-148-0  
INDEX-Number: 603-108-00-1  
Hazard symbol(s): Xi  
R-phrase(s): 10, 37/38, 41, 67

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

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### 3. Hazard identification

Flammable.

Risk of serious damage to eyes.

Harmful: may cause lung damage if swallowed.

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

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### 4. First-aid measures

General advice:

Avoid contact with the skin, eyes and clothing. Take off immediately all contaminated clothing. If difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

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On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-fighting measures

Suitable extinguishing media:

water spray, carbon dioxide, foam, dry extinguishing media

Specific hazards:

carbon monoxide, nitrogen oxides, sulfur oxides

The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental release measures

Personal precautions:

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately. Sources of ignition should be kept well clear.

Environmental precautions:

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Cleaning operations should be carried out only while wearing breathing apparatus. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

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## 7. Handling and storage

### Handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:

The product is combustible. Vapours may form ignitable mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

### Storage

Segregate from foods and animal feeds. Segregate from oxidants. Segregate from strong bases. Further information on storage conditions: Keep away from heat. Protect against moisture. Protect from direct sunlight.

Storage stability:

Storage duration: 24 Months

Protect from temperatures below: -5 °C

The product can crystallize below the limit temperature.

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

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## 8. Exposure controls and personal protection

### Components with workplace control parameters

1330-20-7: xylene

| 78-83-1: isobutyl alcohol

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### Personal protective equipment

#### Respiratory protection:

Breathing protection if gases/vapours are formed. Wear respiratory protection if ventilation is inadequate. Gas filter EN141 Type A for gases/vapours of organic compounds (boiling point >65 °C).

#### Hand protection:

Suitable chemical resistant safety 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 (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (EN 166)

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to DIN-EN 465).

#### General safety and hygiene measures:

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Take off immediately all contaminated clothing. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift.

## 9. Physical and chemical properties

Form: liquid  
 Colour: amber  
 Odour: of xylene

pH value: 7.9  
 (1 %(m))  
 (as an emulsion)

solidification temperature: approx. -5 °C

Flash point: 39 °C (DIN 51755)

*Information on: xylene*

*Ignition temperature:* 430 °C

*Information on: xylene*

*Vapour pressure:* 9.0 hPa  
 (20 °C)

Density: approx. 0.972 g/cm<sup>3</sup>  
 (20 °C)

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Solubility in water: emulsifiable  
Surface tension: 33.0 mN/m  
(40 °C)  
33.8 mN/m  
(40 °C; 1,0 %)

Viscosity, kinematic: 1 mm<sup>2</sup>/s  
(40 °C)

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## 10. Stability and reactivity

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:  
oxidizing agent, strong alkalis

Hazardous reactions:  
No hazardous reactions if stored and handled as prescribed/indicated.

Hazardous decomposition products:  
No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological information

LD50/oral/rat/male/female: 3,148 mg/kg

LC50/by inhalation/rat/male/female: > 9.38 mg/l / 4 h

LD50/dermal/rat/male/female: > 2,000 mg/kg

Primary skin irritation/rabbit: non-irritant

Primary irritations of the mucous membrane/rabbit: Risk of serious damage to eyes.

Sensitization/guinea pig: Skin sensitizing effects were not observed in animal studies.

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Additional information:

No data available for the preparation.  
The statement was derived from products of similar composition.  
Misuse can be harmful to health.

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## 12. Ecological information

### Ecotoxicity

Toxicity to fish:  
Oncorhynchus mykiss/LC50 (96 h): 0.55 mg/l

Aquatic invertebrates:  
Daphnia magna/LC50 (48 h): 61.5 mg/l

Aquatic plants:  
Pseudokirchneriella subcapitata/EC50 (72 h): 0.02 mg/l

### Persistence and degradability

#### Elimination information

*Information on: pendimethalin*

*Evaluation: Not readily biodegradable (by OECD criteria).*

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### Additional information

Other ecotoxicological advice:  
The product has not been tested. The statements on ecotoxicology have been derived from products of a similar structure and composition. Do not discharge product into the environment without control.

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## 13. Disposal considerations

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport information

### Land transport

**ADR** : Class 3  
 Packaging group III  
 UN-number 1993  
 Designation of goods FLAMMABLE LIQUID, N.O.S.  
 (Contains: XYLENE, PENDIMETHALIN 34%)

**RID** : Class 3  
 Packaging group III  
 UN-number 1993  
 Designation of goods FLAMMABLE LIQUID, N.O.S.  
 (Contains: XYLENE, PENDIMETHALIN 34%)

### Inland waterway transport

**ADNR** : Class 3  
 Packaging group III  
 UN-number 1993  
 Designation of goods FLAMMABLE LIQUID, N.O.S.  
 (Contains: XYLENE, PENDIMETHALIN 34%)

### Sea transport

**IMDG/GGVSee** : Class 3  
 Packaging group III  
 UN-number 1993  
 Marine pollutant YES  
 Exact technical name FLAMMABLE LIQUID, N.O.S. (contains XYLENE, PENDIMETHALIN 34%)

### Air transport

**ICAO/IATA** : Class 3  
 Packaging group III  
 UN-number 1993  
 Exact technical name FLAMMABLE LIQUID, N.O.S. (contains XYLENE, PENDIMETHALIN 34%)

## 15. Regulatory information

Regulations of the European union (Labelling) / National legislation/Regulations



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EEC Directives:

## Hazard symbol(s)

Xn Harmful.  
 N Dangerous for the environment.

## R-phrase(s)

R10 Flammable.  
 R41 Risk of serious damage to eyes.  
 R65 Harmful: may cause lung damage if swallowed.  
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## S-phrase(s)

S2 Keep out of the reach of children.  
 S13 Keep away from food, drink and animal feeding stuffs.  
 S20/21 When using do not eat, drink or smoke.  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S35 This material and its container must be disposed of in a safe way.  
 S39 Wear eye/face protection.  
 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.

| Hazard determinant component(s) for labelling: PENDIMETHALIN, XYLENE

| The product contains: pendimethalin  
 May produce an allergic reaction.

Other regulations

For the user of this plant-protective product applies: 'To avoid risks to man and the environment, comply with the instructions for use.' (Directive 1999/45/EC, Article 10, No. 1.2)

**16. Other information**

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 2:

Xi Irritant.  
 N Dangerous for the environment.  
 | Xn Harmful.  
 43 May cause sensitization by skin contact.  
 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 | 10 Flammable.  
 | 20/21 Harmful by inhalation and in contact with skin.

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38	Irritating to skin.
65	Harmful: may cause lung damage if swallowed.
53	May cause long-term adverse effects in the aquatic environment.
41	Risk of serious damage to eyes.
37/38	Irritating to respiratory system and skin.
67	Vapours may cause drowsiness and dizziness.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.