

EC safety data sheet

Safety data sheet in accordance with 91/155/EEC

Trade name

HOSTATHION 40 EC

Product no.: 102774

Version: 3

Status:

25.02.1999

subst.code: 2014

Welt

Page:

1(9)

1. Identification of the substance/preparation and company

Product details

Trade name

HOSTATHION 40 EC

Specification: 1036

AgrEvo-Code: AE F002960 00 EC40 C6

Supplier details

Aventis CropScience GmbH

D-65926 Frankfurt/Main

Telephone no.: 069-305-82369/12588

Information provided by

Industriepark Höchst Frankfurt

Emergency telephone number: 069-305-6418

2. Composition/information on ingredients

Chemical characterization

Emulsifiable concentrate (EC). Contains: triazophos.

UN-number:3017

Hazardous ingredients

Xylene

Concentration: ~ 30 % < 40 %

CAS-number: 1330-20-7

Hazard symbols: Xn

R phrases: 10, 20/21, 38

Triazophos (ISO)

Concentration: ~ 40 % < 50 %

CAS-number: 24017-47-8

Hazard symbols: T, N

R phrases: 21, 23/25, 50/53

beta-Pinene

Concentration: ~ 2 % < 8 %

CAS-number: 127-91-3

Hazard symbols: Xi

R phrases: 10, 36/38

Acetic anhydride

Concentration: ~ 1 % < 7 %

CAS-number: 108-24-7

Hazard symbols: C

R phrases: 10, 20/22, 34

EC safety data sheet

Safety data sheet in accordance with 91/155/EEC

Trade name

HOSTATHION 40 EC

Product no.: 102774

Version: 3

Status:

25.02.1999

subst.code: 2014

Welt

Page:

2(9)

Alkylbenzene sulphonate

Concentration: ~ 2 % < 8 %

CAS-number: 25155-30-0

Hazard symbols: Xi

R phrases: 36/38

3. Hazards identification

Flammable.

Harmful by inhalation and in contact with skin.

Toxic if swallowed.

Risk of serious damage to eyes.

4. First aid measures

General information

Remove soiled or soaked clothing immediately.

Seek medical advice immediately.

After inhalation

Move the patient to fresh air and keep at rest.

Do not use mouth-to-mouth or mouth-to-nose resuscitation.

When vapours are intensively inhaled, seek medical advice immediately.

After contact with skin

In case of contact with skin wash off immediately with soap and water.

After contact with eyes

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water.

Summon a doctor immediately.

After ingestion

Do not induce vomiting.

Seek URGENT medical advice.

Advice to doctor

Symptoms

Symptoms of cholinesterase inhibition (gastrointestinal disturbances, dyspnoea, narrowing of the respiratory passages, bradycardia, miosis, clonic spasms).

Unconsciousness

Gastrointestinal complaints

Excitement

Treatment

In case of severe Methaemoglobinemia: Give 300 mg Toluidine blue intravenously or 1 to 2 mg/kg Methylene blue intravenously.

Endotracheal intubation should be done and gastric lavage performed, followed by administration of Charcoal.

EC safety data sheet

Safety data sheet in accordance with 91/155/EEC

Trade name

HOSTATHION 40 EC

Product no.: 102774

Version: 3

Status:

25.02.1999

subst.code: 2014

Welt

Page:

3(9)

Antidot: Atropin sulfate (2 mg intravenous, if necessary repeat), then Toxogonin (250 mg) or 2-PAM (0,5 g intravenous).

Do not administer adrenaline or other stimulants.

Against Cramps: Give Diazepam intravenously.

Monitoring of: respiratory, cardiac and central nervous system.

Constant control of blood count and Cholinesterase activity.

If necessary, give oxygen.

Elimination by Dialysis (forced alkaline Diuresis) or Haemoperfusion.

If swallowed, in the event of vomiting, risk of product entering the lungs.

5. Fire-fighting measures

Suitable extinguishing media

water mist

foam

carbon dioxide

dry powder

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

Risk of formation of toxic pyrolysis products.

Special protective equipment for firefighting

Use self-contained breathing apparatus.

Further information

Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.

Collect contaminated firefighting water separately, must not be discharged into the drains.

6. Accidental release measures

Personal precautions

Ensure adequate ventilation.

Use personal protective clothing.

Use breathing apparatus if exposed to vapours/dust/aerosol.

Environmental precautions

Do not allow to enter drains or waterways.

Methods for cleaning up/taking up

Take up with absorbent material (eg sand, kieselguhr, universal binder).

Send in suitable containers for recovery or disposal.

Additional information

Information regarding Safe handling, see chapter 7.

Information regarding personal protective measures see, chapter 8.

Information regarding waste disposal, see chapter 13.

EC safety data sheet

Safety data sheet in accordance with 91/155/EEC

Trade name

HOSTATHION 40 EC

Product no.: 102774

Version: 3

Status:

25.02.1999

subst.code: 2014

Welt

Page:

4(9)

7. Handling and storage**Handling**

Hints on safe handling

Provide exhaust ventilation.

Observe the usual precautions for handling chemicals.

Hints for protection against fire and explosion

Keep away from sources of ignition - refrain from smoking.

Store and handle only in the open air or in explosion-proof areas.

Storage

Requirements for storage rooms and vessels

Store in the original container only.

Hints on storage assembly

Do not store together with foodstuffs or animal feedstocks.

Do not store together with foodstuffs.

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place, open and handle carefully.

Protect against moisture.

Protect from direct sunlight.

Protect from warmth.

Do not keep at temperatures above 30 °C.

Do not store at temperatures below -5 °C.

Storage class: 3A Flammable liquids

8. Exposure controls/personal protection

Additional advice on system design

See chapter 7; no measures exceeding those mentioned are necessary.

Ingredients with occupational exposure limits to be monitored

CAS number : 1330-20-7

EINECS number: 215-535-7

markings:

Xylene

National Regulations Germany: Occupational exposure limit for airborne substances - TRGS 900 (TRGS = Technical Rules on Hazardous Substances) Publication of the Federal Ministry for Labour and Social Affairs

Exposure limit for airborne substances 1: mg/m³

Extreme limit category:

4 (15 min mean value, excess factor 4), for further information, see TRGS 900, section 2.3

1996

Remarks (exposure limits for airborne substances):

H (dermal absorption)

EC safety data sheet

Safety data sheet in accordance with 91/155/EEC

Trade name

HOSTATHION 40 EC

Product no.: 102774

Version: 3

Status:

25.02.1999

subst.code: 2014

Welt

Page:

5(9)

CAS number : 108-24-7

EINECS number: 203-564-8

markings:

Acetic anhydride

National Regulations Germany: Occupational exposure limit for airborne substances - TRGS 900 (TRGS = Technical Rules on Hazardous Substances) Publication of the Federal Ministry for Labour and Social Affairs

Exposure limit for airborne substances 1:

5 ml/m³ 20 mg/m³

Extreme limit category:

=1= (excess factor 1), for further information, see TRGS 900, section 2.3

1996:

Personal protective equipment

General protective measures

Avoid contact with eyes and skin.

Do not inhale vapours.

Cholinesterase activity of the worker should be supervised.

Hygienic measures

Observe the usual precautions when handling chemicals.

Do not eat, drink or smoke during work time.

Remove soiled clothing immediately.

Clean hands and face at work intervals and after work.

Store work clothing separately.

Respiratory protection: Full mask, filter A

Hand protection: Gloves (solvent-resistant)

Eye protection: safety glasses

Skin protection: protective clothing

9. Physical and chemical properties

Appearance

Form: liquid

Colour: brownish yellow

Odour: typical Phosphoric acid ester odour

EC safety data sheet

Safety data sheet in accordance with 91/155/EEC

Trade name

HOSTATHION 40 EC

Product no.: 102774

Version: 3

Status:

25.02.1999

subst.code: 2014

Welt

Page:

6(9)

Flash point

30 °C

Ignition temperature

410 °C

Density

approx. 1.05 g/cm³
at 20 °C

Solubility in water

at 20 °C

emulsifiable

pH value

2 to 4
at 20 °C

Determined as a 1% suspension in distilled water.

10. Stability and reactivity

Thermal decomposition

from 130 °C

Exothermic decomposition

Method: DTA

Hazardous reactions

Reactions with alkalis.

Reactions with acids.

11. Toxicological information

Acute oral toxicity

LD50: 171.3 to 224 mg/kg

Species: rat

Method: OECD

Acute dermal toxicity

LD50: 1426 mg/kg

Species: rat (female)

Method: OECD

Irritant effect on skin

non-irritant

Species: rabbit

Method: OECD

Irritant effect on eyes

strongly irritant

Species: Rabbit

EC safety data sheet

Safety data sheet in accordance with 91/155/EEC

Trade name

HOSTATHION 40 EC

Product no.: 102774

Version: 3

Status:

25.02.1999

subst.code: 2014

Welt

Page:

7(9)

Method: OECD

Sensitization

Species: non-sensitizing
Guinea pig

12. Ecological information

Ecotoxic effect

Fish toxicity

LC50: 0.038 mg/l

Duration of exposure: 96 h

Species: Salmo spec.

Method: OECD

Daphnia toxicity

EC50: 1.3 micro-gr/l

Duration of exposure: 48 h

Species: Daphnia magna

Method: OECD

Bacteria toxicity

EC10: 10 to 100 mg/l

Further ecological information

Remarks

Because of harmful effects on water organisms should not be introduced into drains

13. Disposal considerations

Product

In accordance with local authority regulations, take to special waste incineration plant.

Uncleaned packaging

Uncontaminated packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed off as product waste.

EC safety data sheet

Safety data sheet in accordance with 91/155/EEC

Trade name

HOSTATHION 40 EC

Product no.: 102774

Version: 3

Status:

25.02.1999

subst.code: 2014

Welt

Page:

8(9)

14. Transport information

Road transport

ADR 6.1 / 72 C

Product characteristic

3017 ORGANOPHOSPHOR-PESTIZID, FLUESSIG, GIFTIG, ENTZUENDBAR
(TRIAZOPHOS/XYLENE)

Hazard no. 63

Substance number

3017

Rail transport

RID 6.1 / 72 C

Product characteristic

3017 ORGANOPHOSPHOR-PESTIZID, FLUESSIG, GIFTIG, ENTZUENDBAR
(TRIAZOPHOS/XYLENE)

Hazard no. 63

Substance number

3017

Inland waterways transport

ADNR 6.1 / 72 C

Product characteristic

3017 ORGANOPHOSPHOR-PESTIZID, FLUESSIG, GIFTIG, ENTZUENDBAR
(TRIAZOPHOS/XYLENE)

Marine transport

IMDG/UN 6.1 / 3017 / III

Transport / special classification

MARINE POLLUTANT

EmS 6.1-01

MFAG 505

Correct technical name

ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE(40% T RIAZOPHOS/XYLENE)

Air transport

ICAO/IATA-DGR 6.1 / 3017 / III

Correct technical name

ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE(40% T RIAZOPHOS/XYLENE)

Dispatch by post

Not permitted.

15. Regulatory information**Labelling in accordance with GefStoffV/EC**

hazard warning labelling compulsory

Hazard symbols

T Toxic

Hazardous component(s) to be indicated on label contains

Xylene

Triazophos (ISO)

EC safety data sheet

Safety data sheet in accordance with 91/155/EEC

Trade name

HOSTATHION 40 EC

Product no.: 102774

Version: 3

Status:

25.02.1999

subst.code: 2014

Welt

Page:

9(9)

R phrases

- 10 Flammable.
20/21 Harmful by inhalation and in contact with skin.
25 Toxic if swallowed.
41 Risk of serious damage to eyes.

S phrases

- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28.2 After contact with skin, wash immediately with water and soap.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Special labelling for certain preparations

Restricted to professional users.

National regulations

Hazard classification A II

Other regulations, restrictions and prohibition regulations (for Germany only)

ZH 1/118 "Working with health hazard substances (for the workers) (M 050)"

16. Other information

Work limitations for youth should be observed.

Work limitations for pregnant woman and for woman nursing babies should be observed.

For further information see also: Active Substances In Plant Protection and Pest Control Agents Physico-Chemical and Toxicological Data IVA, Industrieverb. Agrar e.V - 2, New Revised Edition Munich; Vienna; Zurich; BLV Verl Ges., 1990 ISBN 3-405-13697-0 NE: Industrieverband Agrar

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.

Chapter which has been changed in respect of its previous version is marked with ''.*

Date of printing

13.12.00