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1) Identification of the substance/preparation and company

Product details

Trade name

ORMECON™ PCB 7000 BUFFER

Identification of the manufacturer / supplier

Address

Ormecon Chemie GmbH & Co. KG

Ferdinand-Harten-Str. 7

D-22949 Ammersbek

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Information provided by / telephone no.

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Emergency telephone number

+49 (0)40 60 41 06-0 (8.00 - 17.00 h)

2) Composition/information on ingredients

Chemical characterisation

Mixture (preparation)

Hazardous ingredients

ACETIC ACID

Concentration > 1 %-b.w. < 10 %-b.w.

CAS no. 64-19-7

Hazard symbols C R phrases 10, 35

TOLUENE-4-SULPHONIC ACID MONOHYDRATE

Concentration > 1 %-b.w. < 30 %-b.w.

CAS no. 6192-52-5

Hazard symbols Xi R phrases 36/37/38

3) Hazards possibilities

Hazard designation

Hazard symbols

Xi Irritant

R phrases

36/37/38 Irritating to eyes, respiratory system and skin.

4) First aid measures

General information

By continuous complaints consult a physician.

Remove immediately contaminated clothing and shoes and launder thoroughly before reusing.

After inhalation

Remove affected person from danger area.

Ensure supply of fresh air.

Irregular breathing/no breathing: artificial respiration.

Summon a doctor immediately.

After skin contact.

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

Summon a doctor immediately.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.)

Summon a doctor immediately.

After ingestion

Rinse out mouth and give plenty of water to drink.

Do not induce vomiting.

Summon a doctor immediately.

Never give anything by mouth to an unconscious person.

Chemical Systems for Electronics

5) Fire-fighting measures

Suitable extinguishing media

Extinguishing powder
Water spray jet
Carbon dioxide

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

In the event of fire the following can be released:

Carbon monoxide (CO)
Carbon dioxide (CO₂)
Sulphur oxides

Special protective equipment for fire fighting

Use self-contained breathing apparatus.
Wear protective clothing.

6) Accidental release measures

Personal precautions

Refer to protective measures listed in sections 7 and 8.
Avoid contact with skin, eyes and clothing.
Ensure adequate ventilation.

Environmental precautions

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

Methods for cleaning up/taking up

Avoid surface spread out (by damming up with sand or soil).
Pick up with absorbent material (e.g. sand, kieselgur, acid binder, universal binder, sawdust).
Send in suitable containers for recovery or disposal.

7) Handling and storage

Handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary).
If workplace limits are exceeded, a respiration protection approved for this particular job must be worn.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

Storage

Requirements for storage rooms and vessels.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Keep only in original container.

Hints on storage assembly.

Do not store together with:
Alkalis
Reducing agents
Metals

Further information on storage conditions.

Keep container tightly closed in a cool, well-ventilated place.
Protect from heat and direct sunlight.

EC Safety Data Sheet

Trade name: **ORMECON™ PCB 7000 BUFFER**

Version: 1/GB

Status: 28.04.2000

Page: 3(5)



8) Exposure controls/personal protection

Ingredients with occupational exposure limits to be monitored

ACETIC ACID

CAS no.

64-19-7

EINECS no.

200-580-7

MAK (TRGS 900)

10.00

ml/m3

25.00

mg/m3

Personal protective equipment

Respiratory protection

If workplace limits are exceeded, a respirations protection approved for this particular job must be worn.

Hand protection

Gloves (acid-resistant)

Appropriate Material

PVC

Rubber

Eye protection

Tightly fitting safety glasses

Face shield

Skin protection

Clothing as usual in the chemical industry.

General protective and hygiene measures

Do not eat, drink or smoke during work time.

Keep away from foodstuffs and beverages.

Avoid contact with eyes and skin.

Remove soiled or soaked clothing immediately.

Wash hands before breaks and after work.

Store work clothing separately.

Hold eye bath available.

Hold emergency shower available.

9) Physical and chemical properties

Appearance.

Form

Liquid

Colour

colourless to brownish

Odour

acid-like

Safety data

Changes in physical state

Type

Boiling point

Value

> 100 °C

Flash point

Not applicable

Density

Value

1,06 g/cm3

method

DIN 51757

Reference temperature

20 °C

solubility

Remarks

miscible in all proportions

10) Stability and reactivity

Materials to avoid

Alkalis

Reducing agents.

Metals

Hazardous decomposition products

Sulphurous oxides (SOx)

Thermal decomposition

No decomposition if used as prescribed.

11) Toxicological information

Experience in practice

Irritates the eyes and the skin.
Irritates the mucous membrane.

Other information (chapter 11.)

Product specific toxicological data are not known.

12) Ecological information

General information / ecology

Do not discharge into the drains or waters and do not store on public depositories.

13) Disposal considerations

Product

Assignment of a Waste Code Number in accordance with the European Waste Catalogue (EAK) should be carried out in agreement with the Regional Waste Disposal Authority.

Contaminated packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Not cleanable packing should be disposed of in agreement with the Regional Waste Disposal Authority.

14) Transport information

Other information (chapter 14.)

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

15) Regulatory information

Labelling in accordance with EC directives

Classification according to the 'Listing Principe' of the Guide lines for preparations (88/379/EEC).

Hazard symbols

Xi Irritant

Hazardous component(s) to be indicated on label

ACETIC ACID

R phrases

36/37/38 Irritating to eyes, respiratory system and skin.

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.

16) Other information

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.