

SAFETY DATA SHEET

DS-3

1. Identification of the substance/preparation and of the company/undertaking

Product name : DS-3
Code : 24065
Head Office : **Cookson Electronics** **Manufacturer** : Ashford Manufacturing Site
 Forsyth Road Henwood Industrial Estate
 Sheerwater Hythe Road
 Woking Ashford
 Surrey Kent
 GU21 5RZ TN24 8DH
 Tel: +44(0)1483 758400 Tel: +44 (0) 1233 610110
 Fax: +44(0)1483 728837 Fax: +44 (0) 1233 664323

2. Composition / information on ingredients

Substance/Preparation : Preparation

| Chemical name* | CAS No. | % | EC Number | Classification |
|------------------------------------------------------------------|-----------|--------|-----------|----------------------|
| Europe Sulphamidic acid | 5329-14-6 | 80-100 | 226-218-8 | Xi; R36/38 R52/53 |
| See Section 16 for the full text of the R Phrases declared above | | | | |

* Occupational Exposure Limit(s), if available, are listed in section 8

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

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Effects and symptoms

Skin Contact : Sensitization of the product: Not available.
Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Eye Contact : Hazardous in case of eye contact (irritant).

Aggravating conditions : Repeated or prolonged exposure is not known to aggravate medical condition.

4. First-aid measures

First-Aid measures

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Skin Contact : In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Eye Contact : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

5. Fire-fighting measures

Extinguishing Media

Suitable : Not applicable.

Special fire-fighting procedures : Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

Personal precautions : Splash goggles. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Environmental Precautions and Clean-up Methods : Use a shovel to put the material into a convenient waste disposal container. **Neutralize the residue with a dilute solution of sodium carbonate.** Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling : Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Packaging materials

Recommended use : Use original container.

Danish Fire Class : Not applicable.

8. Exposure controls/personal protection

Engineering measures : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Hygiene measures : Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Occupational Exposure Limits : Not available.

| <u>Ingredient Name</u> | <u>Occupational Exposure Limits</u> |
|------------------------|-------------------------------------|
| Europe | |
| Sweden | |
| Denmark | |
| Norway | |
| France | |
| Netherlands | |
| Germany | |
| Finland | |
| United Kingdom (UK) | |
| Sulphamic acid | Not available. |
| Austria | |
| Switzerland | |
| Belgium | |
| Spain | |

Personal protective equipment

- Respiratory system** : Dust respirator. Be sure to use an approved/certified respirator or equivalent.
- Skin and body** : Lab coat.
- Hands** : Gloves.
- Eyes** : Splash goggles.

9. Physical and chemical properties

- Physical state** : Solid.
- Color** : Yellow.
- Odor** : acidic smell
- pH** : 2 (Conc. (% w/w): 1) [Acidic.]
- Melting Point** : 205°C (401°F)
- Flash point** : Not applicable.
- Explosive properties** : Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.
- Oxidizing Properties** : Not available.
- Density** : 1 g/cm³
- Solubility** : Soluble in cold water, hot water.

10. Stability and reactivity

- Stability** : The product is stable.
- Hazardous Decomposition Products** :

11. Toxicological information**Acute toxicity**

| <u>Ingredient Name</u> | <u>Test</u> | <u>Result</u> | <u>Route</u> | <u>Species</u> |
|------------------------|-------------|---------------|--------------|----------------|
| Sulphamidic acid | LD50 | 3160 mg/kg | Oral | Rat |
| | LD50 | 1050 mg/kg | Oral | Guinea pig |
| | LD50 | 1312 mg/kg | Oral | Mouse |

Local effects

- Skin irritation** : Hazardous in case of skin contact (irritant).
- Eye irritation** : Hazardous in case of eye contact (irritant).
- Chronic toxicity** : Repeated or prolonged exposure is not known to aggravate medical condition.

12. Ecological information**Ecotoxicity Data**

| <u>Ingredient Name</u> | <u>Species</u> | <u>Period</u> | <u>Result</u> |
|------------------------|----------------------------|---------------|---------------|
| Sulphamidic acid | Pimephales promelas (LC50) | 96 hours | 14.2 mg/l |
| | Pimephales promelas (LC50) | 96 hours | 70.3 mg/l |

13. Disposal considerations

- Methods of disposal ; Waste of residues ; Contaminated packaging** : Waste must be disposed of in accordance with federal, state and local environmental control regulations.
- Waste Classification** : Not applicable.
- European Waste Catalogue (EWC)** : Not available.
- Hazardous Waste** : The classification of the product may meet the criteria for a hazardous waste

14. Transport information

International transport regulations

| Regulatory Information | UN number | Proper shipping name | Class | Packing Group | Label | Additional information |
|------------------------|----------------|----------------------|-------|---------------|-------|------------------------|
| ADR/RID Class | Not regulated. | - | - | | | - |
| IMDG Class | Not regulated. | - | - | | | - |
| IATA-DGR Class | Not regulated. | - | - | | | - |

15. Regulatory information

EU Regulations

Hazard symbol(s)

:



Irritant

Indication of Danger

: Irritant

Risk Phrases

: R36/38- Irritating to eyes and skin.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases

:

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28- After contact with skin, wash immediately with plenty of water.
S29- Do not empty into drains.
S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.

Product Use

: Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments and the intended use.
- Consumer applications, Industrial applications.

EC Statistical Classification
(Tariff Code)

: 32089091

National regulations

Irritant

Denmark

Additional Warning Phrases

: Not applicable.

Denmark – Cancer Risks

: Not available.

Denmark – Restrictions on Use

: Not available.

Statutory Order 517 on
Aerosols

: Not applicable.

Netherlands

K-Klasse

: K5

CPR

: j

SHHR

: OZZ

Germany

Employment restrictions in
accordance with § 15b of the
Hazardous Substance
Ordinance

: Yes.

Hazardous Incident Ordinance

: No.

Ordinance on Combustible
Liquids

: Class: Omitted

Hazard class for water

: 1

16. Other information

Full text of R-Phrases with no. appearing in Section 2 - Europe : R36/38- Irritating to eyes and skin.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Text of classifications appearing in Section 2 - Europe : Xi - Irritant

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Prepared by : Simon Hosken
Environmental, Health and Safety Manager

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