

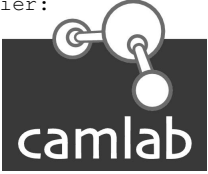
**1. Identification**

Product Code            **0625–CO**

Product Name           **SODIUM SULPHIDE FLAKE tech.**

Molecular Formula      **Na<sub>2</sub>S.xH<sub>2</sub>O**

CAS Number            **1313–82–2**

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                               **(Have this document to hand)**

**2. Composition**

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Sodium sulphide	1313–82–2	215–211–5	> 59.0%	C N : R31,R34,R50	N/A

**3. Hazards Identification**



Contact with acids liberates toxic gas. Causes burns. Very toxic to aquatic organisms.

**4. First Aid Measures**

Eyes                     Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION.

Skin                     Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. Unless contact has been slight OBTAIN MEDICAL ATTENTION

Inhalation             Remove from exposure. If material has reacted with an acid to form, sulphur dioxide, seek immediate medical assistance.

Ingestion              Wash out the patients mouth thoroughly with water. OBTAIN MEDICAL ATTENTION.

**5. Fire Fighting Measures**

Hazards                Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire.

Extinguishing Media    Consider what other flammable materials are present and act accordingly.

Unsuitable Media      Nothing specified.

**6. Accidental Release Measures**

Personal Protection    Evacuate area immediately. If contact with acid is possible, use full protective clothing and breathing apparatus.

## 6. Accidental Release Measures (continued)

Environmental	Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.
Major Spillage	Shovel/sweep up into container for removal Wash area down with copious amounts of water.
Minor Spillage	Wash area down with copious amounts of water.

## 7. Storage & Handling

Handling Precautions	Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing. No specific precautions.
Storage Conditions	Well ventilated, cool, dry storage . Keep well separated from acids.

## 8.1 Workplace Exposure Limits

No prescribed exposure limits available

## 8.2 Personal Protection

Respiratory	Use L.E.V. or natural ventilation to reduce dust concentrations to a minimum.
Hands	Wear gloves.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

## 9. Physical & Chemical Properties

Appearance	Pale pink solid or flake.
Odour	Characteristic.
pH	13 ( 5% solution)
Boiling point	Not available
Melting point	1180.0 °C
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	No.
Oxidising Properties	No.
Vapour Pressure	Not available
Relative Density	1.8560 °C
Water Solubility	18.6%

## 10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Avoid contact with acids.
Materials to Avoid	Acids.
Hazardous Decomposition Products	In a fire will decompose to emit toxic and irritant fumes of sulphur dioxide.

## 11. Toxicological Information

Eyes	Contact with the solid or dust may cause burns.
Skin	Contact with the solid or dust may cause burns.
LD50 Skin	Not available
Ingest	Ingestion may result in formation of toxic sulphur dioxide.

## 11. Toxicological Information (continued)

LD50 Ingest	Not available
Inhalation	Presents no significant health hazard by inhalation.
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

## 12. Ecological

Data for soluble sulphides in general: Toxic to aquatic organisms : LD<sub>50</sub> for fish 3mg/l.  
Toxic hydrogen sulphide may form even in dilute acidic environments. Very toxic to aquatic organisms.

## 13. Disposal Considerations

Disposal Methods	Do not dispose of as domestic waste.
Contaminated Packaging	Wash out containers with water.

## 14. Transport Information

Proper Shipping Name	SODIUM SULPHIDE, ANHYDROUS
UN Number	1385
UN Classification	4.2 Spontaneously combustible
Subsidiary Risk	None
Flash Point	Not available
Packing Group	II
Transport Category	2
Marine pollutant	No
ADR Hazard ID	40

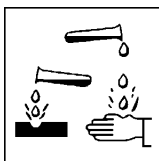


## 15. Regulatory Information

Labelling	Corrosive, Dangerous for the Environment.
Classification	

Label Symbols

C



N



Risk & safety Phrases	Contact with acids liberates toxic gas. Causes burns. Very toxic to aquatic organisms. Keep locked up and out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately (show the label). Avoid release to the environment, refer to special instructions/safety data sheet.
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EEC Number	215-211-5
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## 16. Other Information

Document Information	This document has been prepared in accordance with directive 88/379/EEC.
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The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

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