

1. IDENTIFICATION

Product Name: Sodium Sulfide Flake

Sodium Sulfide, Hydrated

with not less than 30% water

SYNONYMS: Sodium Sulfide, 60-62% Flakes; Disodium Sulfide hydrate.

RECOMMENDED USES: - For industrial use to precipitate metals from solution

- Waste and wastewater treatment
- De-hairing agent in leather processing
- Pulp and paper manufacture
- Chemical and textile industrial processes

MANUFACTURER: Chemical Products Corporation (CPC)

P.O. Box 2470

102 Old Mill Road, S.E.

Cartersville, Georgia 30120-1692

Telephone: Day, 770-382-2144

Transportation Emergency: CHEMTREC 800-424-9300

2. HAZARDS IDENTIFICATION



DANGER

CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

CAN CAUSE PERMANENT EYE INJURY.

Toxic if swallowed. Corrosive to metals.

CORROSIVE TO SKIN AND MUCOUS MEMBRANES BECAUSE OF HIGH ALKALINITY (CAUSTIC).

DUST CAUSES SEVERE RESPIRATORY TRACT IRRITATION AND IS HIGHLY CORROSIVE TO EYES AND SKIN.

CONTACT WITH ACID RELEASES POISONOUS AND FLAMMABLE HYDROGEN SULFIDE GAS.

Wear protective gloves/protective clothing/eye protection/face protection.

Very toxic to aquatic life with long lasting effects.

Do not breathe dust.

Sodium Sulfide Flake

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately seek medical assistance.

Wash skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Avoid release to the environment.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Immediately call a POISON CENTER or doctor.

IF ON SKIN (or hair): Immediately remove all contaminated clothing. Rinse skin with water/ shower. Continue rinsing.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Wash contaminated clothing before reuse.

Absorb spillage to prevent material damage.

Collect spillage.

Keep only in original container.

Dispose of contents/ container to an approved waste disposal plant.

Additional Hazards

Contact with acids liberates toxic gas.

Corrosive to the respiratory tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS #</u>	<u>EXPOSURE LIMITS</u>	<u>% BY WT</u>
Sodium Sulfide	1313-82-2	No ACGIH TLV or OSHA PEL established for Sodium Sulfide For Hydrogen Sulfide gas: OSHA PEL - 20 ppm. ACGIH TLV-TWA - 10 ppm	60 - 63%
Water	7732-18-5		37 - 40%

4. FIRST AID MEASURES

General advice

In case of emergency, show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Ingestion: Have victim drink as much milk or water as possible. Do not induce vomiting. If vomiting occurs, give more liquids. Never give anything by mouth to an unconscious person. **Get immediate medical assistance.**

Sodium Sulfide Flake

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Eye: Corrosive due to product's alkalinity.

Skin: Corrosive to skin due to product's alkalinity. May be toxic when absorbed through the skin; no data available.

Ingestion: Human Oral LD₅₀ reported to be 50 mg/kg for anhydrous sodium sulfide. Equivalent to 80 mg/kg for this product.

Inhalation: Toxic hydrogen sulfide inhalation is assumed. Human LC₅₀ is 600 ppm for 30 minutes for hydrogen sulfide; equivalent to 2200 ppm respirable dust from this product.

Sub-chronic: Irritation to the conjunctiva and cornea of the eye from dust and possible vapors.

Chronic: Chronic acute exposures to dust may cause neurologic deficits like those in survivors of other severe asphyxiant poisonings.

Teratogenic: Not known.

Reproductive: Not known.

Mutagenic: Not known.
no data available

12. ECOLOGICAL INFORMATION

Very toxic to aquatic life.

Only the strength of this product contributes to its environmental toxicity.

Dilution yields only naturally-occurring chemical species.

In water containing 3.2 mg/l of sodium sulfide, trout overturned in 2 hours at pH 9.0 and in 10 minutes at pH 7.8.

Sulfide ion reacts with oxygen; waters containing sulfide ions will not contain dissolved oxygen.

DISTRIBUTION: All components of this product are found naturally in all ecosystems.

CHEMICAL FATE: With dilution to background levels, the sulfide in this product will be readily incorporated into the preexisting natural sulfur cycle.

Sodium Sulfide Flake

15. REGULATORY INFORMATION

TSCA Status..... : Listed on TSCA Inventory.

CERCLA Reportable Quantity..... : **None.**

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

Sodium sulfide hydrate
CAS No. 27610-45-3

Pennsylvania Right To Know Components

Sodium sulfide hydrate
CAS No. 27610-45-3

New Jersey Right To Know Components

Sodium sulfide hydrate
CAS No. 27610-45-3

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

RCRA Status: If discarded in its purchased form, this product would be a characteristic D003 reactive hazardous waste because of its sulfide content and alkalinity. Under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material containing or derived from this product should be classified as a hazardous waste under 40 CFR 261.20-24.

Sodium Sulfide Flake

16. OTHER INFORMATION

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 3

Flammability: 1

Reactivity: 1

Revision Indicator: This GHS Safety Data Sheet replaces Safety Data Sheet dated July 2014.

Disclaimer: The information contained herein is accurate to the best knowledge of Chemical Products Corporation. Chemical Products Corporation makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.