

NIGROSINE 5% (w/v) SOLUTION

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1. Product Identification

Synonyms: Nigrosin, 5%, Water Solution.

CAS No.: Not applicable to mixtures

Molecular Weight: Not applicable

Chemical Formula: Not Applicable

Product Codes: CHEM-541 and others

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Nigrosine, C.I. No. 50420	8005-03-6	5% (w/v)	Yes
Water	7732-18-5	95 (w/v)%.	No

3. Hazards Identification

Emergency Overview

This material is not considered hazardous.

Target organs: None known.

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) if used properly.

SAF-T-DATA^(tm) Ratings

Health Rating: 1 - Slight

Flammability Rating: 0 - None

Reactivity Rating: 0 - None

Contact Rating: 1 - Slight

Lab Protective Equip: GOGGLES; LAB COAT

Storage Color Code: Green (General Storage)

4. First Aid Measures

Always seek professional medical attention after first aid measures are provided.

Eyes: Immediately flush eyes with excess water for 15 minutes, lifting lower and upper eyelids occasionally.

Skin: Immediately flush skin with excess water for 15 minutes while removing contaminated clothing.

Ingestion: Call Poison Control immediately. Rinse mouth with cold water. Give victim 1-2 cups of water or milk to drink. Induce vomiting immediately.

Inhalation: Not considered to be an inhalation hazard.

5. Fire Fighting Measures

Noncombustible solution. When heated to decomposition, emits acrid fumes.

Protective equipment and precautions for firefighters: Use foam or dry chemical to extinguish fire. Firefighters should wear full fire fighting turn-out gear and respiratory protection (SCBA).

Cool container with water spray. Material is not sensitive to mechanical impact or static discharge.

6. Accidental Release Measures

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Remove all ignition sources and ventilate area. Contain spill with sand or absorbent material and place material in a sealed bag or container for disposal. Wash spill area after pickup is complete. See Section 13 for disposal information.

7. Handling and Storage

Handling: Use with adequate ventilation and do not breathe dust or vapor. Avoid contact with skin, eyes, or clothing. Wash hands thoroughly after handling.

Storage: Store in General Storage Area [Green Storage] with other items with no specific storage hazards. Store in a cool, dry, well-ventilated, locked store room away from incompatible materials.

8. Exposure Controls/Personal Protection

Use ventilation to keep airborne concentrations below exposure limits. Have approved eyewash facility, safety shower, and fire extinguishers readily available. Wear chemical splash goggles and chemical resistant clothing such as gloves and aprons. Wash hands thoroughly after handling material and before eating or drinking. Exposure guidelines: Nigrosine: OSHA PEL: N/A, ACGIH: TLV: N/A, STEL: N/A.

Health 0

Fire Hazard 0

Reactivity 0

9. Physical and Chemical Properties

Appearance:

Dark, violet-blue to black liquid.

Odor:

Odorless.

Solubility:

100%

Specific Gravity:

1.0 g/mL @ 20°C.

Odor Threshold:

N/A.

Vapor Density (air=1):

N/A.

Melting Point:

N/A.

Evaporation rat:

N/A. (Butyl acetate = 1).

Boiling Point/Range:

N/A.

Partition Coefficient:

N/A. (log POW).

Vapor Pressure (20°C):

N/A.

pH:

N/A.

Flash Point:

N/A.

LEL:

N/A.

Autoignition Temp.:

N/A.

UEL:

N/A.

10. Stability and Reactivity

Stability: Stable under normal conditions of use and storage.

Incompatibility: Strong oxidizers.

Shelf life: Indefinite if stored properly.

11. Toxicological Information

Acute Symptoms/Signs of exposure: *Eyes:* Redness, tearing, itching, burning, conjunctivitis. *Skin:* Redness, itching.

Ingestion: Irritation and burning sensations of mouth and throat, nausea, vomiting and abdominal pain. *Inhalation:* Irritation of mucous membranes, coughing, wheezing, shortness of breath,

Chronic Effects: No information found.

Sensitization: none expected

Nigrosine: LD50 [oral, rat]; N/A; LC50 [rat]; N/A; LD50 Dermal [rabbit]; N/A

Material has not been found to be a carcinogen nor produce genetic, reproductive, or developmental effects.

12. Ecological Information

Environmental Fate:

No information found.

Environmental Toxicity:

No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

EINECS: Not listed.

WHMIS Canada: Not WHMIS Controlled.

TSCA: All components are listed or are exempt.

California Proposition 65: Not listed.

The product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16. Other Information

Label Precautions:

Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

Keep container closed.

Product Use:

Laboratory Reagent and Consumer Hobby

Revision Information:

No Changes.

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