



Material Safety Data Sheet

Hydroxynaphthol Blue Indicator in Sodium Chloride

Section 1 - Chemical Product and Company Identification

MSDS Name:

Hydroxynaphthol Blue in NaCl

Catalog Numbers:

LC15570

Synonyms:

None

Company Identification:

LabChem Inc
200 William Pitt Way
Pittsburgh, PA 15238

Company Phone Number:

(412) 826-5230

Emergency Phone Number:

(800) 424-9300

CHEMTREC Phone Number:

(800) 424-9300

Section 2 – Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
63451-35-4	Hydroxynaphthol Blue	<1
7647-14-5	Sodium chloride	balance

Section 3 - Hazards Identification

Emergency Overview

Appearance: Purple crystals

Caution. May cause eye, skin, and respiratory tract irritation. The toxicological properties of this material have not been fully investigated.

Target Organs: None

Potential Health Effects

Eye:

May cause eye irritation. Exposure to solid may cause pain and redness.

Skin:

May cause skin irritation. May be harmful if absorbed through the skin.

Ingestion:

May cause irritation of the digestive tract. May be harmful if swallowed. Ingestion of large amounts may cause nausea and vomiting, rigidity or convulsions. Continued exposure can produce coma, dehydration, and internal organ damage.

Inhalation:

May cause respiratory tract irritation. May be harmful if inhaled.



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Chronic:

No information found.

Section 4 - First Aid Measures

Eyes:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

Skin:

In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

Ingestion:

If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Autoignition Temperature:

Not applicable.

Flash Point:

Not applicable.

NFPA Rating:

Not available.

Explosion Limits:

Lower: n/a Upper: n/a

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.



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Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Storage:

Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Exposure Limits:

Chemical Name:	ACGIH	NIOSH	OSHA
Hydroxynaphthol Blue	none listed	none listed	none listed
Sodium chloride	none listed	none listed	none listed

OSHA Vacated PELs:

Hydroxynaphthol Blue: No OSHA Vacated PELs are listed for this chemical.

Sodium chloride: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State:	Solid
Color:	Purple
Odor:	Odorless
pH:	5 – 8 (5% solution)
Vapor Pressure:	1 mm Hg @ 865 C
Vapor Density:	Not available
Evaporation Rate:	Not available
Viscosity:	Not available
Boiling Point:	1461 C @ 760 mm Hg
Freezing/Melting Point:	801 C



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Decomposition Temperature:	Not available
Solubility in water:	Soluble
Specific Gravity/Density:	2.2
Molecular Formula:	Not applicable
Molecular Weight:	Not applicable

Section 10 - Stability and Reactivity

Chemical Stability:

Hygroscopic: absorbs moisture or water from the air.

Conditions to Avoid:

High temperatures, incompatible materials, dust generation, exposure to moist air or water.

Incompatibilities with Other Materials:

Metals, strong oxidizing agents, strong acids, bromine trifluoride, nitro compounds, dichloromaleic anhydride + urea.

Hazardous Decomposition Products:

Carbon monoxide, oxides of nitrogen, oxides of sulfur, carbon dioxide, hydrogen chloride, sodium oxide.

Hazardous Polymerization:

Has not been reported.

Section 11 - Toxicological Information

RTECS:

CAS# 63451-35-4: unlisted.

CAS# 7647-14-5: VZ4725000

LD50/LC50:

CAS# 63451-35-4: Not available.

CAS# 7647-14-5:

Draize test, rabbit, eye: 100 mg Mild;
Draize test, rabbit, eye: 100 mg/24H Moderate;
Draize test, rabbit, eye: 10 mg Moderate;
Draize test, rabbit, skin: 50 mg/24H Mild;
Draize test, rabbit, skin: 500 mg/24H Mild;
Inhalation, rat: LC50 = >42 gm/m³/1H;
Oral, mouse: LD50 = 4 gm/kg;
Oral, rat: LD50 = 3000 mg/kg;
Skin, rabbit: LD50 = >10 gm/kg

Carcinogenicity:

CAS# 63451-35-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 7647-14-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology:

The only adverse effect noted from occupational exposures have been mild nasal irritation with exposure to high dust levels and hypertension.

Teratogenicity:

No information found

Reproductive:

No information found



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Mutagenicity:

No information found

Neurotoxicity:

No information found

Section 12 - Ecological Information

No information available.

Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: Not regulated

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

US Federal**TSCA:**

CAS# 63451-35-4 is listed on the TSCA inventory.

CAS# 7647-14-5 is listed on the TSCA inventory.

SARA Reportable Quantities (RQ):

None of the chemicals in this material have an RQ.

CERCLA/SARA Section 313:

No chemicals are reportable under Section 313.

OSHA - Highly Hazardous:

None of the chemicals in this product are considered highly hazardous by OSHA.

US State**State Right to Know:**

CAS# 63451-35-4 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 7647-14-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Regulations:

None

European/International Regulations**Canadian DSL/NDSL:**

CAS# 63451-35-4 is listed on Canada's DSL List.

CAS# 7647-14-5 is listed on Canada's DSL List.



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Canada Ingredient Disclosure List:

CAS# 63451-35-4 is not listed on the Canadian Ingredient Disclosure List.

CAS# 7647-14-5 is not listed on the Canadian Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: October 5, 2007

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