

MALLINCKRODT

Material Safety Data Sheet

Mallinckrodt, Inc. Science Products Division, P.O. Box M Paris, KY 40361

INDICATAR® pH 9-10

PRODUCT IDENTIFICATION:

Synonyms: Thymolphthalein indicator mixture; 3,3-Bis[4-hydroxy-2-methyl-5-(1-methyl-2-phenyl-1-(3H)-isobenzofuranone on sodium chloride

Formula CAS No.: 7647-14-5 Sodium chloride 125-20-2 Thymolphthalein

Molecular Weight: Not applicable to mixtures.

Chemical Formula: Not applicable to mixtures.

Hazardous Ingredients: Sodium chloride (> 99%)

PRECAUTIONARY MEASURES

WARNING: CAUSES EYE IRRITATION.

Avoid contact with eyes.

Wash thoroughly after handling.

EMERGENCY/FIRST AID

In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. SEE SECTION 5.

DOT Hazard Class: Not Regulated

Indicator pH 9-10

Information considered herein in good faith but makes no representation as to its completeness, accuracy, or reliability. It is intended for use as a reference only. Users are advised to verify the information as for their independent use. MALLINCKRODT, INC. PARIS, KY 40361

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SECTION 1 Physical Data

Appearance: Fine white crystals.

Odor: Odorless.

Solubility: Soluble in water.

Boiling Point: Not applicable.

Melting Point: No information found.

Density: No information found.

Vapor Density (Air=1): No information found.

Vapor Pressure (mm Hg): No information found.

Evaporation Rate: No information found.

SECTION 2 Fire and Explosion Information

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

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Emergency Telephone Number: 314-982-5000

SECTION 3 Reactivity Data

Stability:

Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

May emit toxic chloride fumes when heated to decomposition.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

No incompatibility data found.

SECTION 4 Leak/Spill Disposal Information

Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

Disposal: Whatever cannot be saved for reclamation may be delivered to an approved waste disposal facility, or if local ordinances allow, can be dissolved in sufficient amounts of water to meet water quality standards, and flushed down a sewer drain.

Ensure compliance with local, state and federal regulations.

Effective Date: 08-05-86

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SECTION 5 Health Hazard Information

A. EXPOSURE /HEALTH EFFECTS

Inhalation:
Inhalation of dust may cause mild irritation to mucous membranes, nose and throat. Symptoms may include coughing, dryness, and sore throat.

Ingestion:
Very large doses can cause vomiting, diarrhea, and prostration. Dehydration and congestion occur in most internal organs. Hypertonic salt solutions can produce violent inflammatory reactions in the gastrointestinal tract.

Skin Contact:
Not expected to be a health hazard.

Eye Contact:
May cause irritation.

Chronic Exposure:
No information found.

Aggravation of Pre-existing Conditions:
No information found.

B. FIRST AID

Inhalation:
Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:
If large amounts were swallowed, get medical advice.

Skin Exposure:
Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Exposure:
Wash thoroughly with running water. Get medical advice.

C. TOXICITY DATA (RTECS, 1986)

Sodium Chloride : Oral rat LD50: 3000 mg/kg
Reproductive effects cited.

SECTION 6 Occupational Control Measures

Airborne Exposure Limits:
None established.

Ventilation System:

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators: (NIOSH Approved)

For conditions of use where exposure to the dust is apparent, a dust/mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION 7 Storage and Special Information

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage.

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