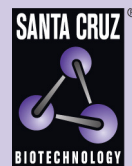


Naphthol AS-TR phosphate disodium salt: sc-253179

MATERIAL SAFETY DATA SHEET



The Power to Question

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name: Naphthol AS-TR phosphate disodium salt
 Catalog Number: sc-253179
 Supplier: Santa Cruz Biotechnology, Inc.
 2145 Delaware Ave.
 Santa Cruz, California 95060
 800.457.3801 or 831.457.3800
 Emergency: ChemWatch
 Within the US & Canada: 877-715-9305
 Outside the US & Canada: +800 2436 2255
 (1-800-CHEMCALL) or call +613 9573 3112

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENT

Substance Name	CAS #	SARA 313
Naphthol AS-TR phosphate disodium salt	4264-93-1	No

Ingredient Name	CAS #	%	SARA 313
Acetone	67-64-1	≤ 2	No

Synonyms: NAPHTHOL AS-TR PHOSPHATE DISODIUM SALT; NAPHTHOL AS-TR PHOSPHATE, MONOSODIUM SALT; NAPHTHOL AS-TR PHOSPHATE SODIUM SALT; naphthol as-tr-phosphate diso-salt; NAPHTHOL AS-TR PHOSPHATE SODIUM TABLETS 4 MG PER TA; NAPHTHOL AS-TR PHOSPHATE SODIUM; NAPHTHOL AS-TR-PHOSPHATE DISO-SALT TAB; Naphthol AS-TR phosphate disodium salt;

Formula: $C_{18}H_{13}ClNNa_2O_5P$

Molecular Weight: 435.71

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Irritant.
 Irritating to eyes.
 Target organ(s): Kidneys. Liver.

HMIS RATING

HEALTH: 2*
 FLAMMABILITY: 0
 REACTIVITY: 0

NFPA RATING

HEALTH: 2
 FLAMMABILITY: 0
 REACTIVITY: 0

*additional chronic hazards present.

For additional information on toxicity, please refer to Section 11.

SECTION 4 - FIRST AID MEASURES

ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT

N/A

AUTOIGNITION TEMP

N/A

FLAMMABILITY

N/A

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
 Specific Hazard(s): Emits toxic fumes under fire conditions.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.
 Ventilate area and wash spill site after material pickup is complete.

SECTION 7 - HANDLING AND STORAGE

HANDLING

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing.
 Avoid prolonged or repeated exposure.

STORAGE

Suitable: Keep tightly closed. Store at -20°C

SECTION 8 - EXPOSURE CONTROLS / PPE

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.
 Hand: Protective gloves.
 Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

Form	.....Solid
pH	.....N/A
BP/BP Range	.....N/A
MP/MP Range	.....N/A
Freezing Point	.....N/A
Vapor Pressure	.....N/A
Vapor Density	.....N/A
Saturated Vapor Conc.	.....N/A

continued...

Bulk Density	.....	N/A
Odor Threshold	.....	N/A
Volatile%	.....	N/A
VOC Content	.....	N/A
Water Content	.....	N/A
Solvent Content	.....	N/A
Evaporation Rate	.....	N/A
Viscosity	.....	N/A
Surface Tension	.....	N/A
Partition Coefficient	.....	N/A
Decomposition Temp.	.....	N/A
Flash Point	.....	N/A
Explosion Limits	.....	N/A
Flammability	.....	N/A
Autoignition Temp	.....	N/A
Refractive Index	.....	N/A
Optical Rotation	.....	N/A
Miscellaneous Data	.....	N/A
Solubility	.....	N/A

N/A = not available

SECTION 10 - STABILITY AND REACTIVITY

STABILITY

Stable: Stable.
Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Thermal decomposition may produce toxic fumes of phosphorus oxides and/or phosphine Carbon monoxide, Carbon dioxide, Nitrogen oxides, Hydrogen chloride gas.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.
Skin Absorption: May be harmful if absorbed through the skin.
Eye Contact: May cause eye irritation.
Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
Ingestion: May be harmful if swallowed.

TARGET ORGAN(S) OR SYSTEM(S)

Nerves. Kidneys. Liver.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

CONDITIONS AGGRAVATED BY EXPOSURE

The toxicological properties have not been thoroughly investigated.

CHRONIC EXPOSURE - CARCINOGEN

Result: This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

SECTION 12 - ECOLOGICAL INFORMATION

No data available.

SECTION 13 - DISPOSAL CONSIDERATIONS

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT

Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

SECTION 15 - REGULATORY INFORMATION

US CLASSIFICATION AND LABEL TEXT

Indication of Danger: Irritant.
Risk Statements: Irritating to eyes.
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
US Statements: Target organ(s): Kidneys. Liver.

UNITED STATES REGULATORY INFORMATION

SARA LISTED: No

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL: No
NDSL: No

SECTION 16 - OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

2/1/2011