



HEALTH	0
FIRE	1
REACTIVITY	0
PROTECTION	E

Section 1: Chemical Product and Company Identification

Product Name: XANTHINOL NICOTINATE

Product Code: XNT

CAS#: 437-74-1

Synonym:

3,7-Dihydro-7-[2-hydroxy-3-[(2-hydroxyethyl) methylamino]propyl]-

1,3-dimethyl-1H-purine-2,6-dione (1:1)

7-[2-Hydroxy-3-[(2-hydroxyethyl)methylamino]propyl]theophylline
nicotinate

7-[2-Hydroxy-3-[N-(2-hydroxyethyl)-N-methylamino]propyl]-1,3-
dimethylxanthine pyridine-3-carboxylate

Chemical Name XANTHINOL NICOTINATE

Chemical Formula:

Contact Information for emergency:

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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Wt
XANTHINOL NICOTINATE	437-74-1	≥ 98%

Section 3: Hazards Identification

NFPA Ratings (0-4) HEALTH = 0 FIRE = 1 REACTIVITY = 0

EMERGENCY OVERVIEW

White to offwhite powder with no discernible odor.

Major Health Hazards No significant target effects reported

Physical Hazards Emits toxic fumes under fire
conditions

Section 4: First Aid Measures

INHALATION Remove from exposure immediately, Use a bag valve mask or similar device to perform artificial respiration if needed. Get medical attention.

EYE CONTACT Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.

SKIN CONTACT Remove contaminated clothing, and shoes immediately. Wash with soap or mild detergent and large amounts of water with no evidence of chemical remains. Get medical attention, if needed.

INGESTION If swallowed, wash out mouth with water provided person is conscious. Contact a physician and get medical attention if needed.

NOTE TO PHYSICIAN

Treat symptomatically as required by the condition of the patient.

Section 5: Fire and Explosion Data

Extinguish using Water spray. Carbon dioxide, dry chemical powder, or appropriate foam. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

FIRE FIGHTING INSTRUCTIONS

Isolate the hazard and evacuate the area. Stay upwind and fight the fire from the maximum distance. Use water spray to cool containers and fire exposed surfaces. Shut off fuel to fire if possible to do so without hazard.

FIRE FIGHTING EQUIPMENT

Wear standard fire-fighting bunker gear and complete personal protective equipment when exposed to products of combustion

Section 6: Accidental Release Measures

SPILL OR LEAK PROCEDURES

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.

DUSTS/DRY POWDERS:

Use wet cloth/mop to pick up and place in suitable container for disposal.

REPORTING

If required under Federal, State, and local regulations, any spill of this material may need to be reported. Comply with Federal, State, and local regulations on reporting releases.

Section 7: Handling and Storage

HANDLING

Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling. Work clothes should be laundered daily.

STORAGE

Keep in original tightly closed containers when not in use.

Section 8: Exposure Controls/Personal Protection

EXPOSURE LIMITS:

No occupational exposure limits established.

ENGINEERING CONTROLS

VENTILATION

Local exhaust: Recommended when appropriate to control employee exposure.

Mechanical (General): Not recommended as the sole means of controlling employee exposure.

PERSONAL PROTECTION

RESPIRATORY PROTECTION

Use a NIOSH-approved cartridge respirator with particulate filter.

PROTECTIVE CLOTHING

Use chemical resistant gloves. Check gloves for leaks before use.

EYE/FACE PROTECTION

Wear safety glasses with side shields or chemical safety goggles.

OTHER PROTECTIVE EQUIPMENT

A safety shower and an eye bath should be available.

Section 9: Physical and Chemical Properties

Vapor Pressure	: Unknown
Vapor Density	: Unknown
Freezing Point	: (typically for liquids)
Melting Point	: (180 °C to 185 °C)
Boiling Point	: Not applicable
Bulk Relative Density	: 0.48
Specific Gravity	: Not applicable
Evaporation Rate	: Not applicable
Solubility in Water	: Easily
pH	: 5.5 to 6.5
Appearance	: White crystalline powder
Odor	: Odorless
Physical State	: Solid
Flash Point/Method	: Not applicable/Not applicable



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Section 10: Stability and Reactivity Data**CHEMICAL STABILITY**

Chemically stable.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID

Unknown.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition may produce carbon monoxide, carbon dioxide, and nitrogen oxides.

Section 11: Toxicological Information**INHALATION**

No information is available.

EYE CONTACT

No information is available.

SKIN CONTACT

No information is available.

INGESTION

No information is available

Section 12: Ecological Information

Not available.

Section 13: Disposal Considerations**DISPOSAL METHODS**

Consult 40 CFR, Parts 261 and 268, State and local regulations for guidance on disposal of this product. Incineration at a facility with proper Federal and State issued permits is the recommended method for disposal. DO NOT RELEASE INTO GROUND WATER. DO NOT RELEASE INTO RIVERS, LAKES OR STREAMS.

CONTAINER DISPOSAL

Empty containers retain product residue. Observe all hazard precautions. Keep away from heat, sparks, and flames. Do not distribute, make available, or reuse empty containers except for storage and shipment of original product. Remove all hazardous product residue, and puncture or otherwise destroy empty containers before disposal. Consult 40 CFR, Parts 261 and 268 for guidance on disposal.

Section 14: Transport Information

Land Transport ADR/RID No classification assigned.

Air Transport IATA/CAO No classification assigned.

Maritime Transport IMDG No classification assigned

Section 15: Other Regulatory Information

Not available

Section 16: Other Information

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