

MATERIAL SAFETY DATA SHEET

3 NITRO PHTHALLIC ACID



HEALTH	0
FIRE	2
REACTIVITY	1
PROTECTION	E

Section 1: Chemical Product and Company Identification

Product Name: 3-NITROPHTHALIC ACID
Product Code: 3NPA
CAS#: 603-11-2
TSCA:
Synonym: 1,2-Benzenedicarboxylic acid, 3-nitro-
Chemical Name
Chemical Formula: C₈H₅NO₆
Contact Information for emergency:
 OMKROWN PHARMACHEM PVT LTD
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Wt
3-NITROPHTHALIC ACID	603-11-2	97%

Section 3: Hazards Identification

EMERGENCY OVERVIEW

Irritating to eyes, respiratory system and skin.

Potential Health Effects

Eye: Causes eye irritation.
Skin: Causes skin irritation. May be harmful if absorbed through the skin.
Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.
Inhalation: Causes respiratory tract irritation. May cause dyspnea (difficult or labored breathing). May be harmful if inhaled. May cause respiratory difficulty and coughing.
Chronic:

Section 4: First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion: Get medical aid. Wash mouth out with water.
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 and Explosion Data

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Will burn if involved in a fire. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

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.

Section 7: Handling and Storage

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
Storage: Store in a cool, dry place. Store in a tightly closed container.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
 Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Section 9: Physical and Chemical Properties

Physical State: Powder
Color: off-white - light yellow
Odor: Not available
pH: Not available
Vapor Pressure: Not available
Viscosity: Not available
Boiling Point: Not available
Freezing/Melting Point: 213 - 216 deg C (dec)
Autoignition Temperature: Not available
Flash Point: Not available
Explosion Limits: Lower: Not available
Explosion Limits: Upper: Not available
Decomposition Temperature: Not available
Solubility in water: 20 g/l (25°C)
Molecular Weight: 211.13

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Section 10: Stability and Reactivity Data

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Incompatible materials.
Incompatibilities with Other Materials	Strong oxidizing agents, strong bases.
Hazardous Decomposition Products	Nitrogen oxides, carbon monoxide, carbon dioxide.
Hazardous Polymerization	Has not been reported.

TSCA

CAS# 603-11-2 is listed on the TSCA Inventory.

Section 11: Toxicological Information

RTECS#:	CAS# 603-11-2: None listed
LD50/LC50:	RTECS: Not available. 3-NITROPHTHALIC ACID - Not listed as a
Carcinogenicity:	carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:	The toxicological properties have not been fully investigated.

Section 12: Ecological Information

Not available

Section 13: Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14: Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not available	Not available	Not available
Hazard Class:			
UN Number:			
Packing Group:			

Section 15: Other Regulatory Information

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39 Wear suitable gloves and eye/face protection.

WGK (Water Danger/Protection)

CAS# 603-11-2: Not available

Canada

CAS# 603-11-2 is listed on Canada's DSL List

US Federal

Section 16: Other Information

Created: 10/01/2010 **Last Updated:** 06/01/2015

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