

1,8-NAPHTHALIC ANHYDRIDE, 97%

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: 1,8-NAPHTHALIC ANHYDRIDE, 97%

Catalog Numbers:

12814-0000, 12814-0050, 12814-1000, 12814-5000

Synonyms:

1H,3H-Naphto[1,8-cd]pyran-1,3-dione

Company Identification (Europe): Acros Organics BVBA
Janssen Pharmaceuticalaan 3a
2440 Geel, BelgiumCompany Identification (USA): Acros Organics
One Reagent Lane
Fairlawn, NJ 07410

For information in North America, call: 800-ACROS-01

For information in Europe, call: 0032(0) 14575211

For emergencies in the US, call CHEMTREC: 800-424-9300

For emergencies in Europe, call: 0032(0) 14575299

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS#	Chemical Name	%	EINECS#	Haz Symbols	Risk Phrases
81-84-5	1,8-NAPHTHALIC ANHYDRIDE	97%	201-380-2		

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Moisture sensitive.

Potential Health Effects

Eye:

Non-irritating to the eyes.

Skin:

Non-irritating to the skin.

Ingestion:

No hazard expected in normal industrial use.

Inhalation:

May cause respiratory tract irritation.

Chronic:

Not available.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes:

Flush eyes with plenty of water for at least 15 minutes,
occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

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:

Get medical aid immediately. If not breathing, give artificial
respiration. If breathing is difficult, give oxygen.

Notes to Physician:

**** 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.

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.

Personal Protective Equipment

Eyes:

Wear chemical goggles.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear a chemical apron.

Respirators:

A NIOSH/MSHA approved air purifying dust or mist respirator or European Standard EN 149.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State:	Powder
Color:	beige - light brown
Odor:	Not available.
pH:	Not available.
Vapor Pressure:	Not available.
Viscosity:	Not available.
Boiling Point:	Not available.
Freezing/Melting Point:	> 269 deg C
Autoignition Temperature:	625 deg C (1,157.00 deg F)
Flash Point:	272 deg C (521.60 deg F)
Explosion Limits, lower:	Not available.
Explosion Limits, upper:	Not available.
Decomposition Temperature:	
Solubility in water:	insoluble
Specific Gravity/Density:	
Molecular Formula:	C12H6O3
Molecular Weight:	198.18

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:

Not available.

Conditions to Avoid:

Exposure to moist air or water.

Incompatibilities with Other Materials:

Strong oxidizing agents, strong acids, strong bases.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

RTECS#:

CAS# 81-84-5: QK5350000

LD50/LC50:

CAS# 81-84-5: Oral, mouse: LD50 = 1600 mg/kg; Oral, rat: LD50 = 12340 mg/kg; Skin, rabbit: LD50 = >2025 mg/kg.

Carcinogenicity:

1,8-NAPHTHALIC ANHYDRIDE -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

Ecotoxicity:

LC50/96h rainbow trout 6.0 mg/l ; sunperch 4.9 mg/l Toxic through the formation of Naphthalic acid. Lethal for perches 3 mg/l in 6-12 h, carps 20 mg/l in 26-36h, goldfish 20 mg/l in 8-16h.

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

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

**** SECTION 14 - TRANSPORT INFORMATION ****

IATA

No information available.

IMO

No information available.

RID/ADR

No information available.

**** SECTION 15 - REGULATORY INFORMATION ****

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 81-84-5: No information available.

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 81-84-5 is listed on Canada's NDSL List.

CAS# 81-84-5 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

CAS# 81-84-5: OEL-RUSSIA:STEL 2 mg/m3;Skin

US FEDERAL

TSCA

CAS# 81-84-5 is listed on the TSCA inventory.

**** SECTION 16 - ADDITIONAL INFORMATION ****

MSDS Creation Date: 7/16/1996 Revision #0 Date: Original.

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