

EN Guidechem Chemical Network - Chemical Manufacturers, suppliers, B2B Marketplace (guidechem.com)  
 \*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\*

1-Chloronaphthalene, ca. 90%, remainder 2- chloronaphthalene

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

MSDS Name: 1-Chloronaphthalene, ca. 90%, remainder 2- chloronaphthalene

Catalog Numbers:

18097-0000, 18097-0010, 18097-0050, 18097-1000

Synonyms:

Company Identification (Europe): Acros Organics BVBA  
 Janssen Pharmaceuticalaan 3a  
 2440 Geel, Belgium

Company 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
90-13-1	1-Chloronaphthalene	ca. 90%	201-967-3		
91-58-7	2-Chloronaphthalene	ca. 10%	202-079-9		

Text for R-phrases: see Section 16

Hazard Symbols: XN

Risk Phrases: 22

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

EMERGENCY OVERVIEW

Harmful if swallowed.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation. May be harmful if absorbed through the skin.

Ingestion:

Harmful if swallowed. May cause irritation of the digestive tract.

Inhalation:

May cause respiratory tract irritation. May be harmful if inhaled.

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:

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 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:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

\*\*\*\* SECTION 7 - HANDLING and STORAGE \*\*\*\*

Handling:

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Take precautionary measures against static discharges.

Storage:

Store in a cool, dry place. Store in a tightly closed container.

\*\*\*\* SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*\*

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes:

Wear chemical goggles.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

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

Physical State:	Clear liquid
Color:	colorless to yellow
Odor:	characteristic odor
pH:	Not available.
Vapor Pressure:	0.02 mbar @ 20 deg C
Viscosity:	Not available.
Boiling Point:	259 deg C
Freezing/Melting Point:	-2.5 deg C
Autoignition Temperature:	> 558 deg C (> 1,036.40 deg F)
Flash Point:	121 deg C ( 249.80 deg F)
Explosion Limits, lower:	Not available.
Explosion Limits, upper:	Not available.
Decomposition Temperature:	
Solubility in water:	Insoluble.

Specific Gravity/Density: 1.194  
Molecular Formula: C10H7Cl  
Molecular Weight: 162.62

## \*\*\*\* SECTION 10 - STABILITY AND REACTIVITY \*\*\*\*

## Chemical Stability:

Stable under normal temperatures and pressures.

## Conditions to Avoid:

Incompatible materials.

## Incompatibilities with Other Materials:

Strong oxidizing agents.

## Hazardous Decomposition Products:

Hydrogen chloride, carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

## \*\*\*\* SECTION 11 - TOXICOLOGICAL INFORMATION \*\*\*\*

## RTECS#:

CAS# 90-13-1: QJ2100000

CAS# 91-58-7: QJ2275000

## LD50/LC50:

CAS# 90-13-1: Oral, mouse: LD50 = 1091 mg/kg; Oral, rat: LD50 = 1540 mg/kg.

CAS# 91-58-7: Oral, mouse: LD50 = 886 mg/kg; Oral, rat: LD50 = 2078 mg/kg.

## Carcinogenicity:

1-Chloronaphthalene -

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

2-Chloronaphthalene -

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

## Other:

See actual entry in RTECS for complete information.

## \*\*\*\* SECTION 12 - ECOLOGICAL INFORMATION \*\*\*\*

## Ecotoxicity:

Log Pow: 3.9

## \*\*\*\* SECTION 13 - DISPOSAL CONSIDERATIONS \*\*\*\*

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

## \*\*\*\* SECTION 14 - TRANSPORT INFORMATION \*\*\*\*

## IATA

Shipping Name: TOXIC SOLID, ORGANIC N.O.S. (N,N-DIETHYL-P-PHENYLE NEDIAMINESULFATE)

Hazard Class: 6.1

UN Number: 2811

Packing Group: III

## IMO

Shipping Name: TOXIC SOLID, ORGANIC N.O.S. (N,N-DIETHYL-P-PHENYLE NEDIAMINESULFATE)

Hazard Class: 6.1

UN Number: 2811

Packing Group: III

## RID/ADR

Shipping Name: TOXIC SOLID, ORGANIC N.O.S. (N,N-DIETHYL-P-PHENYLE NEDIAMINESULFATE)

Hazard Class: 6.1

UN Number: 2811

Packing group: III

USA RQ: CAS# 91-58-7: 5000 lb final RQ; 2270 kg final RQ

## \*\*\*\* SECTION 15 - REGULATORY INFORMATION \*\*\*\*

## European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 22 Harmful if swallowed.

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 90-13-1: 2

CAS# 91-58-7: No information available.

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

## Canada

CAS# 90-13-1 is listed on Canada's DSL List.

CAS# 91-58-7 is listed on Canada's DSL List.

CAS# 90-13-1 is not listed on Canada's Ingredient Disclosure List.

CAS# 91-58-7 is not listed on Canada's Ingredient Disclosure List.

## Exposure Limits

CAS# 90-13-1: OEL-FINLAND:TWA 0.2 mg/m3;STEL 0.6 mg/m3;Skin

OEL-SWEDEN:TWA 0.2 mg/m3;STEL 0.6 mg/m3;Skin JAN9

CAS# 91-58-7: OEL-FINLAND:TWA 0.2 mg/m3;STEL 0.6 mg/m3;Skin

OEL-RUSSIA:STEL 0.5 mg/m3;Skin

## US FEDERAL

TSCA

CAS# 90-13-1 is listed on the TSCA inventory.

CAS# 91-58-7 is listed on the TSCA inventory.

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

MSDS Creation Date: 2/02/1998 Revision #2 Date: 12/16/2002

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