

MSDS for 1-Chloronaphthalene, ca. 85-90%, remainder 2-Chloronaphthalene



Material Safety Data Sheet

1-Chloronaphthalene, ca. 85-90%, remainder 2-Chloronaphthalene

Section 1 - Chemical Product and Company Identification

MSDS Name: 1-Chloronaphthalene, ca. 85-90%, remainder 2-Chloronaphthalene
Catalog Numbers: 18097-0000, 18097-0010, 18097-0050, 18097-1000, 38655-0000, 38655-0010, 38655-0050, 38655-1000
Synonyms:
Company Identification: Acros Organics BVBA
Janssen Pharmaceuticaaan 3a
2440 Geel, Belgium
Company Identification: (USA) Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410
For information in the US, call: 800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number US: 201-796-7100
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#	Hazard Symbols:	Risk Phrases:
90-13-1	1-Chloronaphthalene	85-90%	201-967-3	XN N	22 36/37/38 51/53
91-58-7	2-Chloronaphthalene	10-15%	202-079-9	XI	36/37/38

Text for R-phrases: see Section 16

Hazard Symbols: XN N



Risk Phrases: 22 36/37/38 51/53

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Harmful if swallowed. Irritating to eyes, respiratory system and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Potential Health Effects

Eye: Causes eye irritation.
Skin: Causes skin irritation. May be harmful if absorbed through the skin.
Ingestion: Harmful if swallowed. May cause irritation of the digestive tract.
Inhalation: Causes respiratory tract irritation. May be harmful if inhaled.
Chronic:

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. Do not let this chemical enter the environment.

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. Avoid ingestion and inhalation.
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.
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Exposure Limits

CAS# 90-13-1:

Germany: 0.2 mg/m³ TWA

CAS# 91-58-7:

Germany: 0.2 mg/m³ TWA

Personal Protective Equipment

Eyes:	Wear chemical splash 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. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid
Color: colorless to yellow

Odor: characteristic odor
pH: Not available
Vapor Pressure: 0.02mbar @20 deg C
Viscosity: Not available
Boiling Point: 259 deg C @760mmHg (498.20癈)
Freezing/Melting Point: -2.5 deg C (27.50癈)
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: Not available
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: RTECS:
CAS# 90-13-1: Oral, mouse: LD50 = 1091 mg/kg;
 Oral, rat: LD50 = 1540 mg/kg;
 .
 RTECS:
CAS# 91-58-7: Oral, mouse: LD50 = 886 mg/kg;
 Oral, rat: LD50 = 2078 mg/kg;
 .
Carcinogenicity: 1-Chloronaphthalene - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
 2-Chloronaphthalene - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: Fish: Leuciscus idus: LC50: 4.15 mg/L; 96h; .
 Fish: Bluegill/Sunfish: LC50: 2.3 mg/L; 96h; .
Other: Do not empty into drains.
 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	IMO	RID/ADR
Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

Hazard Class:	N.O.S.* 9	N.O.S. 9	N.O.S. 9
UN Number:	3082	3082	3082
Packing Group:	III	III	III

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

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN N

Risk Phrases:

R 22 Harmful if swallowed.

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

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

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

S 29 Do not empty into drains.

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

WGK (Water Danger/Protection)