

1,10-PHENANTHROLINE MONOHYDRATE

INGREDIENTS	CAS NO	%	8HR OEL
1,10-phenanthroline monohydrate	5144-89-8	100	-



UN No: 2811
 Hazchem Code: 2X
 DG Class: 6.1
 Subsidiary Risk: **Not Applicable**
 Packing Group: III
 Poisons Schedule: **Not Applicable**



NFPA Rating:

- ▶ 0: Minimum
- ▶ 1: Low
- ▶ 2: Moderate
- ▶ 3: High
- ▶ 4: Extreme

HEALTH HAZARD INFORMATION



Acute Health Effects:

Toxic if swallowed.

PRECAUTIONS FOR USE



Appropriate engineering controls:

Local Exhaust Ventilation recommended.

Glasses:

Consider chemical goggles.

Storage and Transportation:

Store in cool, dry, protected area.

Fire/Explosion Hazard:

Vapours/gas heavier than air.
 Toxic smoke/fumes in a fire.

Environment:

Very toxic to aquatic organisms.
 May cause long-term adverse effects in the aquatic environment. This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/Safety data sheets.

PROPERTIES



Solid. Combustible.

EMERGENCY



FIRST AID

Eye:

Wash with running water (15 mins). Medical attention.

Skin:

Wash with soap

Inhaled:

Fresh air. Rest, keep warm. If breathing shallow, give oxygen. Medical attention.

Advice To Doctor:

Treat symptomatically.

Fire Fighting:

Water spray/ fog.

Spills and Disposal:

Eliminate ignition sources.
 Avoid dust.
 Prevent from entering drains.
 Contain spillage by any means.
 Sweep shovel to safe place.

SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS



Flammable

x



Explosive

x



Radioactive

x



Oxidizing

x

x — Must not be stored together