

# MATERIAL SAFETY DATA SHEET

## Chemical Product

Product Name: 2-NITROSO-1-NAPTHOL 98% AR  
CAS#: 132-53-6  
Synonym: Beta -Nitroso-Alpha-Naphthol  
Chemical Name: 2-Nitroso-1-Naphthol AR  
Chemical Formula: C<sub>10</sub>H<sub>7</sub>NO<sub>2</sub>

## Composition and Information on Ingredients

| Name                    | S.K.U    | % by Weight |
|-------------------------|----------|-------------|
| 2-Nitroso-1-Naphthol AR | GCS-8561 | 100         |

## Hazards Identification

Risk advice to man and the environment: Irritating to eyes, respiratory system and skin.

## First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled:

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## Fire and Explosion Data

### Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Special protective equipment for fire-fighters:

Wear self contained breathing apparatus for fire fighting if necessary.

## Accidental Release Measures

### Personal precautions:

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental precautions: Do not let product enter drains.

### Methods for cleaning up:

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

## Handling and Storage

### Handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

### Storage:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Light sensitive.

## Exposure Controls/Personal Protection

### Personal protective equipment

#### Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection:

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Eye protection: Safety glasses.

#### Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

#### Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## Physical and Chemical Properties

Appearance Form : Powder

pH : No data available

Molecular Weight : 173.17 g/mole

Melting point : 150 - 155 °C  
Boiling point : No data available  
Flash point : No data available  
Ignition temperature : No data available  
Lower explosion limit : No data available  
Upper explosion limit : No data available  
Water solubility : No data available

## Stability and Reactivity Data

Storage stability: Stable under recommended storage conditions.  
Materials to avoid: Strong oxidizing agents

Hazardous decomposition products:  
Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

## Toxicological Information

Acute toxicity: No data available

Irritation and corrosion: No data available  
Sensitisation: No data available

Chronic exposure: Carcinogenicity - rat – Oral Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Skin and Appendages: Other: Tumors. Tumorigenic Effects: Testicular tumors. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects  
Inhalation May be harmful if inhaled. Causes respiratory tract irritation.  
Skin May be harmful if absorbed through skin. Causes skin irritation.  
Eyes Causes eye irritation.  
Ingestion May be harmful if swallowed.

## Ecological Information

Elimination information (persistence and degradability): No data available

Ecotoxicity effects: No data available

Further information on ecology: No data available

## Disposal Considerations

Product  
Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner

and scrubber.

Contaminated packaging: Dispose of as unused product.

### **Transformation Information**

Land transport (ADR-RID)

General information: Not regulated

Sea transport (IMDG) [English only]

General information: Not regulated

Air transport (ICAO-IATA) [English only]

General information: Not regulated

### **Other Regulatory Information**

Labelling according to EC Directives Hazard symbols: Xi Irritant

R-phrases(s):

R36/37/38 Irritating to eyes, respiratory system and skin.

S-phrase(s):

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### **Additional Information**

References: Not available.

Other Special Considerations: Not available.

## ***Disclaimer:***

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