

## SAFETY DATA SHEET

Revision Date 19-January-2018

Revision Number 3

### 1. Identification

**Product Name** 3-Nitro-2,6-lutidine  
**Cat No. :** AC348150000; AC348150010; AC348150050  
**Synonyms** No information available  
**Recommended Use** Laboratory chemicals.  
**Uses advised against** Not for food, drug, pesticide or biocidal product use

#### Details of the supplier of the safety data sheet

##### Company

**Importer/Distributor**  
Fisher Scientific  
112 Colonnade Road,  
Ottawa, ON K2E 7L6,  
Canada  
Tel: 1-800-234-7437

Acros Organics  
One Reagent Lane  
Fair Lawn, NJ 07410

**Manufacturer**  
Fisher Scientific  
One Reagent Lane  
Fair Lawn, NJ 07410  
Tel: (201) 796-7100

#### **Emergency Telephone Number**

For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11  
Emergency Number **US**:001-201-796-7100 / **Europe**: +32 14 57 52 99  
**CHEMTREC** Tel. No.**US**:001-800-424-9300 / **Europe**:001-703-527-3887

### 2. Hazard(s) identification

#### Classification

**WHMIS 2015 Classification** Classified as hazardous under the Hazardous Products Regulations (SOR/2015-17)

|                                  |            |
|----------------------------------|------------|
| <b>Flammable solids</b>          | Category 2 |
| <b>Acute oral toxicity</b>       | Category 4 |
| <b>Acute dermal toxicity</b>     | Category 4 |
| <b>Acute Inhalation Toxicity</b> | Category 4 |

#### Label Elements

##### **Signal Word**

Warning

##### **Hazard Statements**

Flammable solid  
Harmful if swallowed, in contact with skin or if inhaled

**Precautionary Statements****Prevention**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
 Ground/bond container and receiving equipment  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Use only outdoors or in a well-ventilated area  
 Wear protective gloves/protective clothing/eye protection/face protection

**Response**

IF ON SKIN: Wash with plenty of soap and water  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 Call a POISON CENTER/ doctor if you feel unwell  
 Rinse mouth  
 Wash contaminated clothing before reuse  
 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

**Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. Composition/Information on Ingredients

| Component                    | CAS-No     | Weight % |
|------------------------------|------------|----------|
| 2,6-Dimethyl-3-nitropyridine | 15513-52-7 | 99       |

### 4. First-aid measures

|   |   |
|---|---|
| <b>Eye Contact</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.                 |
| <b>Skin Contact</b>   | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Obtain medical attention. |
| <b>Inhalation</b>   | Remove from exposure, lie down. Move to fresh air. If not breathing, give artificial respiration. Obtain medical attention.     |
| <b>Ingestion</b>  | Clean mouth with water. Get medical attention.  |
| <b>Most important symptoms/effects<br/>Notes to Physician</b> | No information available.<br>Treat symptomatically  |

### 5. Fire-fighting measures

|                                       |  |
|---------------------------------------|--|
| <b>Suitable Extinguishing Media</b>   | Water spray. Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Chemical foam. |
| <b>Unsuitable Extinguishing Media</b> | No information available   |
| <b>Flash Point</b>                    | 37.78 °C / 100 °F  |
| <b>Method -</b>                       | No information available   |

|   |                          |
|---|--------------------------|
| <b>Autoignition Temperature</b>         | Not applicable           |
| <b>Explosion Limits</b>                 |                          |
| <b>Upper</b>                            | No data available        |
| <b>Lower</b>                            | No data available        |
| <b>Sensitivity to Mechanical Impact</b> | No information available |
| <b>Sensitivity to Static Discharge</b>  | No information available |

**Specific Hazards Arising from the Chemical**

Flammable. Combustible material.

**Hazardous Combustion Products**

Nitrogen oxides (NO<sub>x</sub>) Carbon monoxide (CO) Carbon dioxide (CO<sub>2</sub>)

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**NFPA**

|               |                     |                    |                         |
|---------------|---------------------|--------------------|-------------------------|
| <b>Health</b> | <b>Flammability</b> | <b>Instability</b> | <b>Physical hazards</b> |
| 2             | 2                   | 0                  | N/A                     |

**6. Accidental release measures**

|                                  |   |
|----------------------------------|---|
| <b>Personal Precautions</b>      | Ensure adequate ventilation. Use personal protective equipment. |
| <b>Environmental Precautions</b> | See Section 12 for additional ecological information.           |

|   |   |
|---|---|
| <b>Methods for Containment and Clean Up</b> | Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Sweep up or vacuum up spillage and collect in suitable container for disposal. |
|---|---|

**7. Handling and storage**

|                 |   |
|-----------------|---|
| <b>Handling</b> | Avoid contact with skin and eyes. Do not breathe dust. Use explosion-proof equipment. Use only non-sparking tools.                          |
| <b>Storage</b>  | Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Keep away from heat and sources of ignition. Flammables area. |

**8. Exposure controls / personal protection**

|                            |   |
|----------------------------|---|
| <b>Exposure Guidelines</b> | This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. |
|----------------------------|---|

**Engineering Measures**

Use explosion-proof electrical/ventilating/lighting/equipment.

Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source

**Personal protective equipment**

|                        |                   |
|------------------------|-------------------|
| <b>Eye Protection</b>  | Goggles           |
| <b>Hand Protection</b> | Protective gloves |

| Glove material | Breakthrough time                 | Glove thickness | Glove comments         |
|----------------|-----------------------------------|-----------------|------------------------|
| Nitrile rubber | See manufacturers recommendations | -               | Splash protection only |
| Neoprene       |                                   |                 |                        |
| Natural rubber |                                   |                 |                        |
| PVC            |                                   |                 |                        |

Inspect gloves before use. observe the instructions regarding permeability and breakthrough time which are provided by the

supplier of the gloves. (Refer to manufacturer/supplier for information) gloves are suitable for the task: Chemical compatability, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. gloves with care avoiding skin contamination.

#### Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified 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.

To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly

**Recommended Filter type:** Particulates filter conforming to EN 143

When RPE is used a face piece Fit Test should be conducted

#### Environmental exposure controls

No information available.

#### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.

## 9. Physical and chemical properties

|   |                              |
|---|------------------------------|
| <b>Physical State</b>                         | Powder Solid                 |
| <b>Appearance</b>                             | Off-white                    |
| <b>Odor</b>                                   | No information available     |
| <b>Odor Threshold</b>                         | No information available     |
| <b>pH</b>                                     | No information available     |
| <b>Melting Point/Range</b>                    | 32 - 38 °C / 89.6 - 100.4 °F |
| <b>Boiling Point/Range</b>                    | No information available     |
| <b>Flash Point</b>                            | 37.78 °C / 100 °F            |
| <b>Evaporation Rate</b>                       | Not applicable               |
| <b>Flammability (solid,gas)</b>               | No information available     |
| <b>Flammability or explosive limits</b>       |                              |
| <b>Upper</b>                                  | No data available            |
| <b>Lower</b>                                  | No data available            |
| <b>Vapor Pressure</b>                         | No information available     |
| <b>Vapor Density</b>                          | Not applicable               |
| <b>Specific Gravity</b>                       | No information available     |
| <b>Solubility</b>                             | No information available     |
| <b>Partition coefficient; n-octanol/water</b> | No data available            |
| <b>Autoignition Temperature</b>               | Not applicable               |
| <b>Decomposition Temperature</b>              | No information available     |
| <b>Viscosity</b>                              | Not applicable               |
| <b>Molecular Formula</b>                      | C7 H8 N2 O2                  |
| <b>Molecular Weight</b>                       | 152.15                       |

## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactive Hazard</b>                  | None known, based on information available   |
| <b>Stability</b>                        | Stable under normal conditions.  |
| <b>Conditions to Avoid</b>              | Keep away from open flames, hot surfaces and sources of ignition. Incompatible products. |
| <b>Incompatible Materials</b>           | Strong oxidizing agents  |
| <b>Hazardous Decomposition Products</b> | Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> )           |
| <b>Hazardous Polymerization</b>         | No information available.  |

**Hazardous Reactions** None under normal processing.

## 11. Toxicological information

### Acute Toxicity

#### Product Information

#### Component Information

**Toxicologically Synergistic Products** No information available

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Irritation** No information available

**Sensitization** No information available

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Component                    | CAS-No     | IARC       | NTP        | ACGIH      | OSHA       | Mexico     |
|------------------------------|------------|------------|------------|------------|------------|------------|
| 2,6-Dimethyl-3-nitropyridine | 15513-52-7 | Not listed | Not listed | Not listed | Not listed | Not listed |

**Mutagenic Effects** No information available

**Reproductive Effects** No information available.

**Developmental Effects** No information available.

**Teratogenicity** No information available.

**STOT - single exposure** None known

**STOT - repeated exposure** None known

**Aspiration hazard** No information available

**Symptoms / effects, both acute and delayed** No information available

**Endocrine Disruptor Information** No information available

**Other Adverse Effects** The toxicological properties have not been fully investigated.

## 12. Ecological information

### Ecotoxicity

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

**Persistence and Degradability** No information available

**Bioaccumulation/ Accumulation** No information available.

**Mobility** No information available.

## 13. Disposal considerations

**Waste Disposal Methods** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

## 14. Transport information

### DOT

|                                |   |
|--------------------------------|---|
| <b>UN-No</b>                   | UN2926                                  |
| <b>Proper Shipping Name</b>    | FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S. |
| <b>Hazard Class</b>            | 4.1                                     |
| <b>Subsidiary Hazard Class</b> | 6.1                                     |
| <b>Packing Group</b>           | III                                     |
| <b>TDG</b>                     |   |
| <b>UN-No</b>                   | UN2926                                  |
| <b>Proper Shipping Name</b>    | FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S. |
| <b>Hazard Class</b>            | 4.1                                     |
| <b>Subsidiary Hazard Class</b> | 6.1                                     |
| <b>Packing Group</b>           | III                                     |
| <b>IATA</b>                    |   |
| <b>UN-No</b>                   | UN2926                                  |
| <b>Proper Shipping Name</b>    | FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S. |
| <b>Hazard Class</b>            | 4.1                                     |
| <b>Subsidiary Hazard Class</b> | 6.1                                     |
| <b>Packing Group</b>           | III                                     |
| <b>IMDG/IMO</b>                |   |
| <b>UN-No</b>                   | UN2926                                  |
| <b>Proper Shipping Name</b>    | FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S. |
| <b>Hazard Class</b>            | 4.1                                     |
| <b>Subsidiary Hazard Class</b> | 6.1                                     |
| <b>Packing Group</b>           | III                                     |

## 15. Regulatory information

### International Inventories

| Component                    | DSL | NDSL | TSCA | EINECS    | ELINCS | NLP | PICCS | ENCS | AICS | IECSC | KECL |
|------------------------------|-----|------|------|-----------|--------|-----|-------|------|------|-------|------|
| 2,6-Dimethyl-3-nitropyridine | -   | -    | -    | 239-543-5 | -      |     | -     | -    | -    | -     | -    |

### Canada

SDS in compliance with provisions of information as set out in Canadian Standard - Part 4, Schedule 1 and 2 of the Hazardous Products Regulations (HPR) and meets the requirements of the HPR (Paragraph 13(1)(a) of the Hazardous Products Act (HPA)).

## 16. Other information

|                         |  |
|-------------------------|--|
| <b>Prepared By</b>      | Regulatory Affairs<br>Thermo Fisher Scientific<br>Email: EMSDS.RA@thermofisher.com   |
| <b>Revision Date</b>    | 19-January-2018  |
| <b>Print Date</b>       | 19-January-2018  |
| <b>Revision Summary</b> | This document has been updated to comply with the requirements of WHMIS 2015 to align with the Globally Harmonised System (GHS) for the Classification and Labelling of Chemicals. |

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of SDS**