

MATERIAL SAFETY DATA SHEET**Product Name:** Ferric nitrate nonahydrate**CAS No.:** 7782-61-8**Version:** 0**1. Identification**

Product Code : 90410
Company Name : Advent Chembio Private Limited
Address : W-288, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE, NAVI MUMBAI - 400 701.
E-mail : info@adventchembio.com
WEBSITE : www.adventchembio.com
Company Phone Number : 022-27690837

2. Hazards Identification**Hazard classification**

Skin corrosion : Category 1B

Label elements**Hazard symbol****Signal word**

: Danger

Hazard statement

: Causes severe skin burns and eye damage.

Precautionary statement

: Wear eye protection/ face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Supplemental Hazard Statements

: None.

3. Composition/information on ingredients

Ingredient	CAS No	Percent
Ferric nitrate nonahydrate	7782-61-8	NLT 98.0%

4. First Aid Measures**Description of first aid measures****General advice**

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

MATERIAL SAFETY DATA SHEET**Product Name:** Ferric nitrate nonahydrate**CAS No.:** 7782-61-8**Version:** 0

Inhalation	:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin contact	:	Wash off with soap and plenty of water. Consult a physician.
Eye contact	:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Swallowed	:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and effects, both acute and delayed	:	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	:	No data available

5. Fire fighting measures**Extinguishing media**

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture : Nitrogen oxides (NO_x), Sulphur oxides, Borane/boron oxides, Iron oxides

Advice for firefighters : Wear self contained breathing apparatus for firefighting if necessary

Further information : No data available

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions : Do not let product enter drains.

Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections : For disposal see section 13.

MATERIAL SAFETY DATA SHEET**Product Name:** Ferric nitrate nonahydrate**CAS No.:** 7782-61-8**Version:** 0**7. Handling and Storage**

- Precautions for safe handling** : Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
- Conditions for safe storage, including any incompatibilities** : Store under inert gas. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. hygroscopic
- Specific end use(s)** : No data available

8. Exposure Controls Personal Protection**Control parameters****Components with workplace control parameters****Exposure controls**

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

Personal protective equipment**Eye/face protection**

: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection Hand protection

: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace..

Respiratory protection

: Respiratory protection is required.

9. Physical and Chemical Properties

- Appearance** : Pale mauve crystals.
- Odor** : No data available
- pH** : 1.5 at 20 °C
- Melting point/freezing point** : 47 °C - lit.
- Initial boiling point and boiling range** : No data available
- Flash Point** : No data available
- Vapor pressure** : No data available
- Vapor density** : No data available
- Relative density** : 1.68 g/cm³ at 20 °C

MATERIAL SAFETY DATA SHEET**Product Name:** Ferric nitrate nonahydrate**CAS No.:** 7782-61-8**Version:** 0

Solubility in water : soluble
Solubility (other) : No data available
Formula : $\text{FeN}_3\text{O}_9 \cdot 9\text{H}_2\text{O}$
Molecular Weight : 404.00 g/mol

10. Stability and Reactivity

Reactivity : No data available
Chemical stability : Stable under recommended storage conditions.
Possibility of hazardous reactions : No data available
Conditions to avoid : No data available
Incompatible materials : Organic materials, Powdered metals
Hazardous decomposition products : No data available

11. Toxicological Information**Information on toxicological effects**

Acute toxicity : LD50 Oral - Rat - 3.250 mg/kg
Skin corrosion/irritation : Causes skin burns.
Serious eye damage/eye irritation : Risk of serious damage to eyes.
Respiratory or skin sensitization : No data available
Germ cell mutagenicity : No data available
Carcinogenicity : 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.
Reproductive toxicity : No data available
Specific target organ toxicity - single exposure : No data available
Specific target organ toxicity - repeated exposure : No data available
Aspiration hazard : No data available
Signs and Symptoms of Exposure : To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

MATERIAL SAFETY DATA SHEET**Product Name:** Ferric nitrate nonahydrate**CAS No.:** 7782-61-8**Version:** 0**12. Ecological Information**

Toxicity : No data available
Persistence and degradability : No data available.
Bioaccumulative potential : No data available.
Mobility in soil : No data available.
Other adverse effects : No data available.

13. Disposal consideration

Disposal instructions : Offer surplus and non-recyclable solutions to a licensed disposal company. 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.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	3260	Ferric nitrate nonahydrate	8	II	No
IMDG	3260	Ferric nitrate nonahydrate	8	II	No
IATA	3260	Ferric nitrate nonahydrate	8	II	No

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date** :01/08/2014**Version** : 0

Disclaimer: This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. ADVENT CHEMBIO PRIVATE LIMITED makes no guarantee of the accuracy or

MATERIAL SAFETY DATA SHEET**Product Name:** Ferric nitrate nonahydrate**CAS No.:** 7782-61-8**Version:** 0

completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the technical instructor in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of ADVENT CHEMBIO PRIVATE LIMITED and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).