

Product

NITROTRAPP

 Version: 1.0
 Printing Date: 19.02.2018

Watch® Water encourages and expects you to read and understand the entire MSDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: NITROTRAPP

Application: Drinking Water Treatment, Nitrates removal

Company Identification/Supplier
 Watch Water GmbH
 Fahrlachstr. 14
 D-68165 Mannheim
 Germany
 Phone: + 49 62187951-0
 Fax: + 49 62187951-99

Emergency information (8:00- 16:45) Phone: +49 621 87951-50

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Emergency overview

CORROSIVE: Not applicable.

Labeling:

Not applicable

Hazards Statements

No significant hazards

Other hazards

None Known

3 COMPOSITION / INFORMATION ON INGREDIENTS

Component, name	Substance/mixture	CAS-Nr.	Classification
Propriety	Mixture	N/A	Plastic beads (Copolymer beads in chloride form)

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, nonhazardous and/or present at amounts below reportable limits.

4 FIRST-AID MEASURES

- **General Information:** Take off contaminated clothes. Wash immediately with plenty of water. If needed, seek medical attention. (No significant hazards known)
- **Eye contact:** Rinse immediately with plenty of running water. Check for and remove the contact lenses. Seek medical advice, if irritation occurs. (No significant hazards known)
- **Skin contact:** Remove contaminated clothing. Wash immediately with plenty of water. Obtain medical advice if needed. (No significant hazards known)
- **Ingestion:** First rinse mouth with water. Bring victim to fresh air for rest and comfortable breathing. If swallowed, then, provide some water to drink. Seek medical attention, if needed. (No significant hazards known)

Product

NITROTRAPP

Version: 1.0
Printing Date: 19.02.2018

5 FIRE FIGHTING MEASURES

- **Extinguishing media:** Extinguish with water spray, CO₂, foam, dry chemical
- **Unusual Fire and Explosion Hazards:** Not known
- **Exposure hazards:** Not known

6 ACCIDENTAL RELEASE MEASURES

- The product forms a slippery surface in contact with water.
- **Personal precautions:** Wear eye protection and protective clothing.
- **Environmental precautions:** Keep out of drains and water courses.
- **Methods for cleaning up:** Vacuum or sweep up material and placed in a designated waste container. Avoid dust formation.
- **Disposal method:** The material be disposed in accordance with applicable local, state and federal regulations.

7 HANDLING AND STORAGE

- **Handling:** Normal chemical handling. Dust mask should be used when large quantities are used in the absence of good local exhaust ventilation. Avoid the formation and deposition of dust. Take precautionary measures to avoid static charges. Wash hands after handling.
- **Storage:**
Store in original packaging by avoiding direct sunlight in dry, cool and ventilated area.
Keep away for the material mentioned in section 10.
Store between temperature -20 to 40 °C (-4 to 104 °F).
Keep the packaging tightly closed and sealed until the use.
Once opened the original packaging, resealed is must.
Use appropriate contaminates to avoid any environmental contaminants.
Material must not dry out.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

- **Control Parameters:**
Exposure limit values: Not available
Recommended monitoring procedure: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Appropriate engineering controls: If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- **Personal Parameters:**
Hygienic measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Respiratory protection: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Product

NITROTRAPP

 Version: 1.0
 Printing Date: 19.02.2018

Skin protection: Wear suitable protective clothing and gloves. Suitable protective footwear.

Eye/face protection: If contact with product is possible, wear safety glasses with side shields.

9 PHYSICAL AND CHEMICAL PROPERTIES

General Information:

Physical State	Solid (plastic beads)
Appearance	White to yellowish
Odor	product specific
Max and Min explosive limits	Not available
Evaporation rate	Not available
Flammability (Solid, gas)	Not available
Density	1.02 kg/L at 20 °C
Bulk Density	600 to 660 kg/m ³
Relative Density	Not available
Vapor density	Not available
pH	3 to 7 (w/w at 10%)
Melting Point	Not available
Boiling Point	Not available
Flash point:	Not available
Viscosity	Not available
Solubility	Insoluble in cold water

10 STABILITY AND REACTIVITY

- **Reactivity:** No specific data available
- **Chemical Stability:** Product is stable
- **Incompatible material:** No specific data available
- **Possibility of Hazardous reaction:** Under normal condition of use, storage and handling, hazardous reaction will not occur.
- **Conditions to avoid:** Contact with strong oxidizing agents may cause hazardous reactions. Take precautionary measures against static discharges.
- **Hazardous decomposition products:** Under normal condition of use, storage and handling, hazardous decomposition should not occur.

11 TOXICOLOGICAL INFORMATION

- **Information on Toxicology effect**
LD50 Oral (rat): >5000 mg/kg
- **Irritation/Corrosion:** Not available
- **Conclusion/Summary:**
 - **Skin:** Non-irritating. *Test results on an analogous product
 - **Eye:** Non-irritating. *Test results on an analogous product
- **Specific target organ toxicity (single exposure):** Not available
- **Specific target organ toxicity (repeated exposure):** Not available.
- **Aspiration hazard:** Not available.
- **Potential acute health effects**
 - **Skin contact:** No known significant effects or critical hazards.
 - **Ingestion:** No known significant effects or critical hazards.
 - **Inhalation:** No known significant effects or critical hazards.
 - **Eye contact:** No known significant effects or critical hazards.
- **Symptoms related to the physical, chemical and toxicological characteristics**

Product

NITROTRAPPVersion: 1.0
Printing Date: 19.02.2018**Skin contact:** No specific data.**Ingestion:** No specific data.**Inhalation:** No specific data.**Eye contact:** No specific data.

- **Delayed and immediate effects and also chronic effects from short and long term exposure**
Short term exposure
Potential immediate effects: Not available.
Potential delayed effects: Not available.
Long term exposure
Potential immediate effects: Not available.
Potential delayed effects: Not available.

12 | ECOLOGICAL INFORMATION

- **Toxicity**
Not available.
- **Persistence and degradability**
Not available.
- **Bio accumulative potential :**
Not available.
- **Mobility in soil**
Soil/water partition coefficient (KOC): Not available.
Other adverse effects remarks: Because of the insolubility of the substance in water there are no data available on its toxicity in the aqueous environment. No known significant effects or critical hazards.

13 | DISPOSAL CONSIDERATIONS

- **RCRA:** This product as manufactured, is not a RCRA, listed hazardous waste and does not exhibit any characteristics of a hazardous waste, including toxicity
- **Disposal method:** This product is generally suitable for landfill disposal. Follow all applicable Federal, State, and local laws, rules, and regulations regarding the proper disposal of this material. If this product has been altered or contaminated with other hazardous materials, appropriate waste analysis may be necessary to determine proper method for disposal. A qualified environmental professional should determine waste characterization, disposal, and treatment methods for this material in accordance with applicable Federal, State and local regulations and requirements. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14 | TRANSPORT INFORMATION

- **Land Transport (ADR/RID/ADN):**
Not regulated for transport
- **Sea Transport (IMDG/IMO):**
Not regulated for transport
- **Air Transport (IATA/ICAO):**
Not regulated for transport

15 | REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
Following regulations are applicable to the handling of chemicals in the workplace.

- Federal Regulation on Safety and Health at the Workplace.

Product

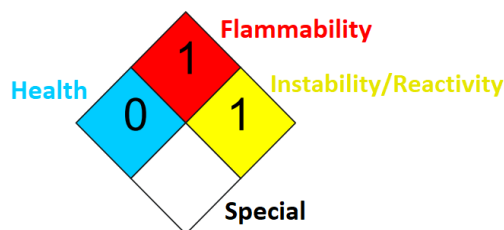
NITROTRAPP

Version: 1.0
 Printing Date: 19.02.2018

- NOM-005-STPS concerning the Conditions of Health and Safety in the Workplace for the Handling, Transport and Storage of Hazardous Chemicals.
- NOM-017-STPS - Personal Protective Equipment Selection, Use and Handling in the workplace.
- NOM-010-SCT Compatibility and segregation for the Storage and Transportation of Hazardous Substances, Materials and Wastes

16 OTHER INFORMATION

- Hazardous Material System:
 Health: 0
 Flammability: 1
 Physical hazards: 1
 Personal protective equipment: C
 (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme *=Chronic)
- National Fire Protection:
 (0= Minimal 1=Slight 2=Moderate 3=Serious 4=Severe)



- Our method of hazard communication is comprised of Product Labels and Safety Data Sheets. HMIS and NFPA ratings are provided as a customer service.
- This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.

Recommended Uses and Restrictions

For biocidal applications. For industrial use. We recommend that you use this product in a manner consistent with the listed use. If your intended use is not consistent with the stated use, please contact your sales or technical service representative.

- **Disclaimer:**
Watch[®] Water GmbH provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. This MSDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable regulations and laws relating to the product being used.
- **NOTICE: Watch[®] Water GMBH** MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, **Watch[®] Water GMBH** WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.