

SAFETY DATA SHEET

Revision Date: 09/30/2013
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Version: 1.0

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

IDENTIFICATION OF THE PRODUCT

- **Product name:** **Ludigol**
- **Relevant identified use of the substance/mixture and advised against**
Industrial use only

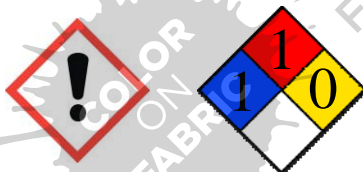
Emergency telephone: In USA call CHEMTREC: 1 800 262-8200
Outside the USA, including ships at sea, call CHEMTREC's international and maritime telephone number (collect calls accepted): +1 (703) 741-5500
In Canada call CANUTEC: 1 613 996 6666

General Information: +1 800 244 6169 (Worldwide)

2. HAZARDS

- **Emergency**
OSHA Hazards
Irritant
GHS Classification
No classification

GHS Label elements, including precautionary statements
Pictogram



NFPA 704

Signal word: Warning

Hazard Statement (s)

- H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary Statement(s)

IDENTIFICATION

Overview

NFPA: Health - 1 Fire - 1 Reactivity - 0
HMIS: Health - 1 Fire - 1 Reactivity - 0

P261
P264
P271
P273

Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash skin thoroughly after use.
Use in a well ventilated area.
Avoid release to environment.



P280 Wear protective gloves/eye protection/face protection.
P302 + P352+P313 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340+P313 IF INHALED: Remove victim to fresh air and keep at rest in.
P337 + P338+P313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to accomplish. Continue rinsing.

3. INFORMATION ON THE INGREDIENTS

Formula	%	CAS No.	EC Number
Sodium M-Nitrobenzene Sulfonate	>99	127-68-4	204-857-3
Sodium Sulfate	>0.3	7757-82-6	231-820-9

4. FIRST-AID MEASURES

- General Advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of the dangerous area

Ingestion Rinse mouth with water. Give several glasses of water. Do Not Induce vomiting. Seek medical advice.

Skin Wash with mild soap and water. Seek medical advice.

Eyes Flush with water for at least 15 minutes. Seek medical advice.

Inhalation Remove to fresh air. Seek medical attention.

5. FIRE-FIGHTING MEASURES

- Extinguishing media**

Small fires: Carbon dioxide, dry chemical, water, alcohol resistant foam

- Special Protective equipment for fire-fighters**

Fire fighters should wear an approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE OF MATERIALS

- Personal precautions**

Use protective equipment and emergency procedures. Avoid breathing vapors. Ensure adequate ventilation

- **Environmental Precautions**

Prevent leakage of product into water-courses or drainage system by diking with sand or other absorbent materials. Pump large spillage to appropriate containment vessel. Contact authorities, and waste-water treatment plant as appropriate if significant contamination occurs.

- **Methods and material for containment and cleaning up**

Stop the source of leak or release. Apply inert absorbent material to spill. Clean up spill as soon as possible. Place spilled material in suitable container for disposal in accordance with local and national regulations. Wash contaminated surfaces with water, and collect washings for safe disposal. Follow prescribed procedures for responding to large spills and reporting to appropriate authorities.

7. HANDLING AND STORAGE

- **Precautions for safe handling**

Avoid excessive contact with eyes, skin, and inhalation of vapor/mist/dust. Wear protective clothing as in Section 8. Good general ventilation is recommended.

- **Conditions for safe storage, including incompatibilities**

Keep only in the original container. Store in a cool and dry location. Keep away from direct sunlight. Keep container closed when not in use. Protect from freeze.

- **Specific end uses**

Industrial use

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Contains no substance with occupational exposure limit values

Personal protective equipment

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respiratory. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper gloves.

Eye Protection

Safety goggles, (US 29 CFR 1910.133) or (EU EN 166), Chemical goggles

Skin and Body Protection

Impervious clothing

Hygiene measures

Handle in accordance with good industrial hygiene and safety practices. Wash hands after handling material.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Information on basic physical and chemical properties**

Appearance/Form	White	Powder
Odor	Mild	
pH	7.0 –9.0 @	10% (soln)
Freeze/ Melting point (°C)	No data available	
Flash point (°C)	>93.3°C	
Flammability (solids and gases)	Can burn	
Upper/lower flammability or explosive limits	Not established	
Specific Gravity (@ °C)	No data available	
Density	No data available	
Solubility: in water	>25% @ 25°C	

10. STABILITY AND REACTIVITY

- **Chemical stability** Stable under normal storage and handling conditions.
- **Conditions to avoid** Minimum storage temp / 1°C
Maximum Storage temp 288°C
Sparks, flame, sources of ignition
- **Incompatible materials** Strong oxidizing agents, sulfur or nitrogen
- **Hazardous decomposition products** Oxides of carbon

11. TOXICOLOGICAL INFORMATION.

Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious Eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No component present at levels $\geq 0.1\%$ is identified as a human carcinogen, IARC, NTP, OSHA, CA. Prop 65
	Not applicable
Reproductive toxicity	No data available
Specific target organ toxicity-single exposure	Inhalation – May cause respiratory irritation (GHS)
Aspiration hazard	No data available
Specific target organ toxicity-repeated exposure	No data available
Potential health effects	
Inhalation	May be harmful if inhaled. May cause respiratory irritation.
Ingestion	May be harmful if swallowed.
Skin	May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure

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

Synergistic effects No data available

Additional Information

RTECS: No data available

12. ECOLOGICAL INFORMATION

- **Toxicity to fish** No data available
- **Persistence/degradability** No data available
- **Bioaccumulative potential** No data available
- **Mobility in soil** No data available
- **Results of PBT and vPvB assessment** No data available
- **Other adverse effects** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

- **German (WGK)** No data available

13. DISPOSAL CONSIDERATIONS

- **Product**

This product should not be disposed of via drains, sewers or natural waterways. Disposal must be in accordance with current national and local regulations. We recommend that you contact either the authorities or approved waste disposal companies who will advise you in how to dispose of waste. Do not release untreated in natural waters.

14. TRANSPORTATION INFORMATION

This product is not classified as hazardous (dangerous) by applicable Land, Sea, or Air transport regulations.

- **DOT (US)** Not Dangerous Goods
- **IMDG** Not Dangerous Goods
- **IATA** Not Dangerous Goods

15. REGULATORY INFORMATION

OSHA Hazards	Irritant
Sara 302 Components	No chemicals are subject to reporting requirements of Title III, Sec. 302
Sara 313 Components	No hazard
Sara 311/312 Hazards	Acute
EC #:	Mixture

16. OTHER INFORMATION

All information and data appearing on this Safety Data Sheet are believed to be reliable and accurate. However, it is the user's responsibility to determine the safety, toxicity, and suitability for own use of the product described. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Dharma Trading Co. User assumes all responsibility.



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