

# MATERIAL SAFETY DATA SHEET

## Chemical Product

Product Name: EHRlich'S B REAGENT  
 CAS#: -  
 Synonym: Not Available.  
 Chemical Name: Ehrlich's B Reagent  
 Chemical Formula: Not Available

## Composition and Information on Ingredients

Name	Contents	S.K.U	EC No	Annex No	REACH Ref.	Classification
EHRlich'S B REAGENT		GCS-2674				100
SODIUM NITRATE EXTRA PURE99%	> 0.1 < 1 %	7631-99-4	-----	-----	-----	Xn; R22 Xi; R36/37/38 ----- Acute Tox. 4 (oral) _ H302
Water	99 %	7732-18-5	231-791-2	-----	-----	Not classified (DSD/DPD) ----- Not classified (GHS)

## Hazards Identification

Classification of the substance or mixture Classification EC 67/548 or EC 1999/45  
 Classification: Not classified.

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)  
 Not classified.

Label elements  
 Labelling EC 67/548 or EC 1999/45  
 Not classified.

R Phrase(s): None.  
 S Phrase(s): None.

Contains: Water - SODIUM NITRATE EXTRA PURE 99%  
 Labelling Regulation EC 1272/2008 (CLP): Not classified.  
 Contains: Water - SODIUM NITRATE EXTRA PURE 99%  
 Other hazards:

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## First Aid Measures

Description of first aid measures

Inhalation: Assure fresh air breathing. Allow the victim to rest.

Skin contact:

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

Eye contact:

Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

Ingestion:

Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

Most important symptoms and effects, both acute and delayed

Symptoms relating to use: Not expected to present a significant hazard under anticipated conditions of normal use.

Indication of any immediate medical attention and special treatment needed

General information: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

## Fire and Explosion Data

Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

Surrounding fires: Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or mixture

Hazardous combustion products: Under fire conditions, hazardous fumes will be present

Advice for fire-fighters

Protection against fire: Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

## Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For emergency responders: Equip cleanup crew with proper protection. Ventilate area.

For non-emergency personnel: Evacuate unnecessary personnel.

Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and material for containment and cleaning up  
Clean up methods: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage.

Reference to other sections

**See section 8. Exposure controls/personal protection**

## Handling and Storage

Precautions for safe handling

Handling: Use only outdoors or in a well-ventilated area. Wash contaminated clothing before reuse. Wash thoroughly after handling. Do not breathe dust, fume, gas, mist, vapours, and spray.

Technical protective measures: Provide good ventilation in process area to prevent formation of vapour.

Special precautions: Avoid breathing dust, fume, gas, mist, vapours, and spray.

Conditions for safe storage, including any incompatibilities

Storage: Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.

Storage regulation: Comply with applicable regulations.

Storage - away from: Strong bases. Strong acids. Sources of ignition. Direct sunlight.

## Exposure Controls/Personal Protection

Exposure controls Personal protection

Personal protection: Avoid all unnecessary exposure.

Respiratory protection: Wear approved mask.

Hand protection: Wear protective gloves.

Skin protection: Wear suitable protective clothing.

Eye protection: Chemical goggles or face shield.

Others: When using, do not eat, drink or smoke.

Control parameters

Occupational Exposure Limits: No data available

## Physical and Chemical Properties

Physical state at 20 °C : Liquid.

Colour : Colorless

Odour : Characteristic.

Odour threshold : No data available.

Molecular Weight : Not Available.

pH value : No data available.

Melting point [°C] : No data available.

Decomposition point [°C] : Not Applicable.

Critical temperature [°C] : No data available.

Auto-ignition

temperature [°C] : No data available

Flammability (solid, gas) : Not Applicable.

Flash point [°C] : No data available.  
Boiling point [°C] : 176 °C  
Initial boiling point [°C] : No data available.  
Final boiling point [°C] : No data available.  
Evaporation rate : Not Applicable.  
Vapour pressure [20°C] : No data available.  
Vapour pressure mm/Hg : Not Applicable.  
Vapour density : Not Applicable.  
Density [g/cm<sup>3</sup>] : Not Applicable.  
Relative density, gas (air=1) : Not Applicable.  
Relative density, liquid (water=1) : Not Applicable.  
Solubility in water [% weight] : Miscible in water  
Solubility in water : No data available.  
Log Pow octanol / water at 20°C : No data available.  
Solubility : Not Applicable.  
Viscosity at 40°C  
[mm<sup>2</sup>/s] : No data available

## Stability and Reactivity Data

Reactivity: Not established.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: Not established.

Conditions to avoid: Direct sunlight. Extremely high or low temperatures.

Incompatible materials: Strong acids. Strong bases.

Hazardous decomposition products:

Fumes. Carbon monoxide. Carbon dioxide.

## Toxicological Information

Information on toxicological effects

Toxicity information: The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

Acute toxicity

Inhalation: Based on available data, the classification criteria are not met.

Dermal: Based on available data, the classification criteria are not met. Ingestion: Based on available data, the classification criteria are not met. Corrosion: Causes severe skin burns and eye damage.

Irritation: May cause respiratory irritation.

Sensitization: Based on available data, the classification criteria are not met. Mutagenicity:

Based on available data, the classification criteria are not met. Carcinogenicity: Based on available data, the classification criteria are not met.

Toxic for reproduction: Based on available data, the classification criteria are not met.  
STOT-single exposure: Based on available data, the classification criteria are not met.  
STOT-repeated exposure: Based on available data, the classification criteria are not met.  
Aspiration hazard: Based on available data, the classification criteria are not met.

## Ecological Information

Toxicity information:

The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

Persistence - degradability: Biodegradable. Bioaccumulative potential: Not established.  
Mobility in soil: Not established.

Results of PBT and vPvB assessment: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## Disposal Considerations

Waste treatment methods

General: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

## 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

Safety, health and environmental regulations/legislation specific for the substance or mixture  
Safety, health and environmental regulations/legislation specific for the substance or mixture: Ensure all national/local regulations are observed.

REACH Restrictions - Annex XVII: The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV: The components of this product are not subject to

authorization.  
Chemical Safety Assessment  
Chemical Safety Assessment: It has not been carried out.

**Additional Information**



References: Not available.

Other Special Considerations: Not available.

***Disclaimer:***

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