



## SAFETY DATA SHEET

### EC-Blue Enhanced™

#### 1. Identification of the substance/preparation and of the company/undertaking

**Product name:** EC-Blue Enhanced™  
**Chemical formula:** N/A  
**Art. no.:** 10-9405  
**Manufacturer:** Medicago AB  
Danmark Berga  
755 98 Uppsala  
Sweden  
tel.: +46 (0) 18 56 11 80  
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#### 2. Composition/information on ingredients

Chemical name:	CAS no.:	EC no.:	Symbol:	R-Phrases:	S-Phrases:
Water	7732-18-5	231-791-2	None	None	None
1-methyl-2-pyrrolidinone	872-50-4	212-828-1	Xi	R36/38	S41
Citric acid monohydrate	5949-29-1	Not available	Xi	R36	S24/25
Tetramethylbenzidine	54827-17-7	259-364-6	Xi	R36/37/38	S26,36

#### 3. Hazards identification

**Physical/chemical hazards:** N/A  
**Human health hazards:** Caution! May cause respiratory tract, eye and skin irritation.

#### 4. First-aid measures

**Ingestion:** In case of ingestion, immediately flush mouth with plenty of water. Get medical attention.  
**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
**Skin contact:** In case of contact, immediately flush skin with soap and plenty of water.  
**Eye contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

#### 5. Fire-fighting measures

**Flammability of the product:** Highly flammable. Container may explode in case of fire.  
**Extinguishing media:** Small fire: Use dry chemical powder. Large fire: Use water spray, fog or foam. Do not use water jet.

#### Hazardous thermal

**(de)composition products:** Toxic gas. May form flammable heavy gases.  
**Special fire-fighting procedures:** Wearing of breathing apparatus and full turnout gear.



## 6. Accidental release measures

<b>Personal precautions:</b>	Safety goggles. Full suit. Wear suitable respiratory equipment. Boots. Gloves.
<b>Spill and leak:</b>	Cover spilled liquid with soda or sand. Use appropriate tools to put the solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and ventilate the room.

## 7. Handling and storage

<b>Handling:</b>	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas. Avoid contact with eyes, skin and clothing. Wear suitable protective clothing. After contact with skin, wash immediately with plenty of water. If you feel unwell, seek medical attention and show the label when possible.
<b>Storage:</b>	Store at +2-8°C in tightly closed amber bottle. Use original container.

## 8. Personal protection/exposure controls

	  
<b>Protective clothing:</b>	
<b>Personal protective equipment:</b>	Safety goggles, gloves, wear suitable respiratory equipment, lab coat.
<b>Engineering measures:</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Use under a fume hood.
<b>Hygiene measures:</b>	Wash hands after handling compounds and before eating, smoking and using lavatory.

## 9. Physical and chemical properties

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless to slightly bluish.
<b>Molecular Weight:</b>	Not available.
<b>Solubility:</b>	Easily soluble in cold water.
<b>Flash point:</b>	Not available.
<b>Explosive properties:</b>	Risks of explosion of the product in presence of mechanical impact: not available. Risks of explosion of the product in presence of static discharge: not available.

## 10. Stability and reactivity

<b>Stability:</b>	Stable.
<b>Conditions to avoid:</b>	Acids, chloride acids, acid anhydrides, oxidants, alkali metals and reductants.
<b>Hazardous decomposition products:</b>	CO, CO <sub>2</sub> .

## 11. Toxicological information

The toxicological properties not fully investigated as far as we know.

May cause skin irritation.

## 12. Ecological information

**Ecotoxicity:** N/A  
**Toxicity of the products of biodegradation:** N/A.

## 13. Disposal considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## 14. Transport information

**RID/ADR:** Not controlled under RID/ADR.  
**IMDG:** Not controlled under IMDG.  
**IATA:** Not controlled under IATA.  
**Special provisions for transport:** N/A

## 15. Regulatory information

### EU Regulations

**Classification:** Irritant  
**Risk Phrases:** R36/37/38 – Irritating to eyes, respiratory system and skin.  
**Safety Phrases:** S24/25/26,36,41 – Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing. In case of fire and/or explosion do not breathe fumes.

### US Federal Regulations

**TSCA:** No products were found.  
**HCS Classification:** Irritant

## 16. Other information

**Precautions and Disclaimer:** For laboratory use only. Not for drug, household or other uses.

### Notice to reader

To the best of our knowledge, the information given is accurate. However, we do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.