

SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2014-07-14

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: EC Blue Enhanced™
Article number: 10-9405, 25-0252

1.2 Relevant identified uses of the substance or mixture, and uses advised against

Identified uses: Laboratory chemical; ELISA application; *in-vitro* diagnostic

1.3 Details of the supplier of the safety data sheet

Company: Medicago AB
Danmark Berga 13
755 98 Uppsala
Telephone: +46 (0)18 56 11 80
Facsimile: +46 (0)18 56 11 88
E-mail address: info@medicago.se

1.4 Emergency telephone number

Emergency telephone number: Giftinformationscentralen 112 (Sweden)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

Classified as: Skin Irritation (category 2), H315
Eye Irritation (category 2), H319

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)



Signal word: Warning

Hazard statement(s):

H315 Causes skin irritation
H319 Causes serious eye irritation

Precautionary statement(s):

P264 Wash hands thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P302+352 IF ON SKIN: Wash with plenty of water
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses, if present and easy-to-do; continue rinsing

Complementary hazard information:

No further information

2.3 Other hazards

No data available

3. Composition/information on ingredients

3.2 Mixtures

Substance	CAS-no.	EC-no.	Index-no.	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)
Water	7732-18-5	231-791-2	-	80-90 %	Not classified
1-methyl-2-pyrrolidinone	872-50-4	212-828-1	606-021-00-7	<5 %	Skin Irrit 2, H315 Eye Irrit 2, H319
Based on the low working concentrations there are no additional ingredients present which are classified as hazardous to health and environment; hence they do not require reporting in this section.					

For the full text of the H-Statements in this section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

If swallowed	Wash mouth with water; never give anything by mouth to an unconscious person; get medical attention
If inhaled	Move to fresh air; if person is not breathing, give artificial respiration; get medical attention
In case of skin contact	Wash off with soap and water; remove contaminated clothes and shoes; get medical attention
In case of eye contact	Wash thoroughly with plenty of water for at least 15 min; remove contact lenses if present and easy-to-do; keep washing for several additional minutes; get medical attention
General advice	Get medical attention if you feel unwell; show this data sheet to the doctor in attendance

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: dry chemical powder, water spray, fog or alcohol-resistant foam
Unsuitable extinguishing media: do not use water jet

5.2 Special hazards arising from the substance or mixture

Toxic gas such as carbon oxides, may form flammable heavy gas

5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting

5.4 Further information

Product is highly flammable; container may explode in case of fire

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear safety goggles, lab coat, suitable protection gloves and boots; wash hands before and after use

6.2 Environmental precautions

No data available

6.3 Methods and material for containment and cleaning up

Cover spilled liquid with sand; use appropriate tools to put the solid in a convenient waste disposal container; keep container tightly closed for disposal; finish cleaning by spreading water on the contaminated surface and ventilate the room

6.4 Reference to other sections

For disposal: see section 13

7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin, eyes, and clothes; keep away from heat and ignition

7.2 Conditions for safe storage, including any incompatibilities

Use original container; store at 2-8°C in the tightly closed amber bottle

7.3 Specific end use(s)

No data available

8. Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Appropriate engineering controls

Use general hygiene procedures; use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits; if user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit

Personal protective equipment

Eye/face protection Wear safety goggles (EN 166)

Skin protection Use proper lab gloves; gloves must be inspected prior to use; wash and dry hands

Body Protection Wear lab coat or other impervious clothes; type of protection equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Respiratory protection If necessary, use respirator tested and approved under appropriate government standards such as NIOSH (USA) or CEN (EU)

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Form: liquid
	Colour: colourless to slightly bluish
Odour	no data available
Odour threshold	no data available
pH	no data available
Melting point/ freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (Solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	no data available
Water solubility	soluble
Partition coefficient: n-octanol/ water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

9.2 Other information

No data available

10. Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions

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10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heat, light

10.5 Incompatible materials

Acids, chloride acids, acids anhydrides, strong oxidizing agents, alkali metal and strong reducing agents

10.6 Hazardous decomposition products

In case of fire: carbon oxides

11. Toxicological information**11.1 Information on toxicological effects****11.1.2 Mixtures****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 data available

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

Potential health effects

Inhalation	May be harmful if inhaled
Ingestion	May be harmful if swallowed
Skin	Causes skin irritation
Eye	Causes serious eye irritation

12. Ecological information**12.1 Toxicity**

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13. Disposal considerations

13.1 Waste treatment methods

Waste must be disposed of in accordance with federal, state, and local environmental control regulations.
 Contaminated packaging: dispose of as unused product

14. Transport information

14.1 UN-number

ADR-RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR-RID: Not dangerous goods
 IMDG: Not dangerous goods
 IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR-RID: - IMDG: - IATA: -

14.4 Packaging group

ADR-RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR-RID: no
 IMDG, water pollutant: no
 IATA: no

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

15. Regulatory information

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

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

15.2 Chemical safety assessment

No data available

16. Other information

This information is based on the current state of knowledge.
 Precaution and disclaimer: For laboratory use only; not for drug, household, or any other use.

Text of H-phrase(s) in section 3

Hazard statement(s):	
H315	Causes skin irritation
H319	Causes serious eye irritation

Skin Irrit 2	Skin Irritation (category 2)
Eye Irrit 2	Eye Irritation (category 2)

