



LUMINOPHORE BRU LIQ.

SECTION I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name Fluorescent Brightening Agent - C.I. No. FBA-263
Trade Name LUMINOPHORE BRU LIQ.
CAS Number 67786-25-8
ECR Number 267-097-1

- Registration number 05-2116117666-43-0000 (Pre-Registration No.)
- Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation It is used as a fluorescent brightening agent.

DETAILS OF THE SUPPLIER OF THE MATERIAL SAFETY DATA SHEET

Marketed by UNITED VENTURES
53, Siddhivinayak, Sp-19/20, N.S. Road No-7,
JVPD Scheme, Vile- Parle (W), Mumbai 400049, INDIA
Tel No.: +91-22-26701144/55

Further information obtainable from:
Tel : +91-22-26701144/55
E-mail : Ventures.united@gmail.com

Emergency Telephone Number :
Contact details of European importer Emergency
Telephone number Telephone number of EU Importer: Opening hours:
Other Comments (e.g. language(s) of the phone service): English

SECTION II. HAZARDS IDENTIFICATION

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
The substance is not classified according to the CLP regulation.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.
- Label elements
- Labelling according to Regulation (EC) No 1272/2008 : Void
- Hazard pictograms : Void
- Signal word : Void
- Hazard statements : Void
- Other hazards
- Results of PBT and vPvB assessment
- PBT : Not applicable.
- vPvB: Not applicable.

SECTION III. COMPOSITION AND INFORMATION ON INGREDIENTS

- Chemical characterization: Substances
- CAS No. Description
67786-25-8 tetrasodium 4,4'-bis[[4-[bis(2-hydroxypropyl)amino]-6-[(4-sulphonatophenyl)amino]-1,3,5-triazin-2-yl]amino]-stilbene-
- Identification number(s)
EC 267-097-1
- Additional information:
Chemical formula C₄₄H₄₈N₁₂Na₄O₁₆S₄
Molecular Weight: 1221.142
%Composition : >80%
- SVHC The substance is not in the list of SVHC substances

SECTION IV. FIRST AID MEASURES

Description of first aid measures

• General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• After inhalation

Supply fresh air; consult doctor in case of complaints.

• After skin contact:

Seek immediate medical advice.

Immediately wash with water and soap and rinse thoroughly.

• After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

• After swallowing:

Call for a doctor immediately.

• Information for doctor:

• **Most important symptoms and effects, both acute and delayed** No further relevant information available.

• **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION V. FIRE FIGHTING MEASURES

Extinguishing media

• Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

• **Special hazards arising from the substance or mixture** : No further relevant information available

• Advice for firefighters

Wear suitable protective clothing to avoid contact with skin.

Wear self-contained respiratory protective device.

• Protective equipment

Fire fighters should wear positive self contained breathing apparatus.

SECTION VI. ACCIDENTAL RELEASE MEASURES

• Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

• Environmental precautions

Do not allow product to reach sewage system or any water course.

• Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

• Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION VII. HANDLING AND STORAGE

• HANDLING

• **Precautions for safe handling** Keep away from heat and direct sunlight.

• **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.

• **Conditions for safe storage, including any incompatibilities**

• STORAGE

• **Requirements to be met by storerooms and receptacles:** Provide adequate ventilation/exhaustion.

• **Information about storage in one common storage facility:** Not required.

• **Further information about storage conditions:** Keep container tightly sealed.

• **Specific end use(s)** It is used as a fluorescent brightening agent.

SECTION VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

• **Additional information about design of technical facilities:** No further data; see item 7.

• **Control parameters**

• **Ingredients with limit values that require monitoring at the workplace:** Not required.

• **Additional information:** The lists valid during the making were used as basis.

• **Exposure controls**

• **Personal protective equipment:**



- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Respiratory protection**
Self-contained respiratory protective device.
- **Protection of hands:**
Use Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
 - **Material of gloves Nitrile rubber, NBR**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
 - **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Break through time: > 480 min

Glove thickness: ≥ 0.35 mm

- **Eye protection:**

Tightly sealed goggles

- **Body protection**

Use protective clothes as required.

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	Liquid
Colour	Light Brown Yellow Liquid
Odour	Characteristic
Odour Threshold	Not determined
pH-value	8.5 -10.5 (1% soln)

Change in Conditions

Melting point/Melting range --

Boiling point/Boiling range 100°C

Flash point Not applicable

Flammability (solid, gaseous) Not highly flammable

Self-igniting Product does not show self ignition.

Danger of explosion Product does not present an explosion hazard

Vapour pressure Not determined

Density at 20° C 1.0 - 1.3 g/cm³ (Bulk density)

Solubility in/Miscibility Miscible

Segregation coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic Not determined.

Kinematic Not determined.

Other Information No further relevant information available.

SECTION X. STABILITY AND REACTIVITY

- **Reactivity**

- **Chemical stability**

- **Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

- **Possibility of hazardous reactions**

No dangerous reactions known.

- **Conditions to avoid**

Heat, flame and other sources of ignition

- **Incompatible materials**

Avoid contact with strong oxidizing agents.

- **Hazardous decomposition products**

No dangerous decomposition products known.



SECTION XI: TOXICOLOGICAL INFORMATION

- Information on toxicological effects
- Acute toxicity:
- LD/LC50 values relevant for classification:

Oral	LD50	> 5000mg/kg (rat)
Dermal	LD50	> 5000 mg/kg (rat)
Inhalative	LC50	> 1895 mg/m ³ air (rat)

Primary irritant effect:

3· On the skin:

Irritant to skin and mucous membranes.
TYPE OF TEST : Standard Draize test
ROUTE OF EXPOSURE : Administration onto the skin
SPECIES OBSERVED : Rodent - rabbit
DOSE/DURATION : 500 mg/24H
REACTION SEVERITY : Mild

· On the eye:

Irritating effect.
TYPE OF TEST : Standard Draize test
ROUTE OF EXPOSURE : Administration into the eye
SPECIES OBSERVED : Rodent - rabbit
DOSE/DURATION : 100 mg
REACTION SEVERITY : Moderate

- **Sensitization:** No sensitizing effects known.

· Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

· CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65

SECTION XII. ECOLOGICAL INFORMATION

Aquatic Toxicity

EC50(21d)	5.6 mg/L (Daphnia magna)
EC50(48hr)	> 100 mg/L (Daphnia magna)
EC50(96 hr)	39.01 mg/L (Desmodesmus subspicatus)
LC50 (96 hr)	7.1 mg/L (Fish Brachydanio rerio)

- **Persistence and Degradability** Moderately / partly biodegradable
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** The product is not expected to be bioaccumulative .
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**

PBT	Not applicable.
vPvB	Not applicable.
- **Other adverse effects** No further relevant information available.

SECTION XIII. DISPOSAL CONSIDERATIONS

Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Dispose off waste material according to local, state and federal regulations.

· Uncleaned packaging:

- **Recommendation:** Disposal must be made according to official regulations.

SECTION XIV. TRANSPORTATION INFORMATION

- UN-Number
 - ADN
 - UN proper shipping name
 - ADN
 - Transport hazard class(es)
 - ADR/IMDG/IATA
 - Class
 - ADN/R Class
 - Environmental hazards:
 - Marine pollutant:
 - Special precautions for user
- | |
|----------------|
| Void |
| Void |
| DG Free |
| Void |
| No |
| Not applicable |

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable
- UN "Model Regulation" ---

SECTION XV. REGULATORY INFORMATION

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Labelling according to Regulation (EC) No 1272/2008
- Signal word Warning
- Hazard-determining components of labelling: Please refer section 2
- Hazard statements Please refer section 2
- Precautionary statements Please refer section 2
- Chemical safety assessment:
A Chemical Safety Assessment has not been carried out and shall be available at the time of REACH registration.

SECTION XVI. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing MSDS:
Product safety department.
- Contact:
Tel +91-22-26701144/55
E-mail ventures.united@gmail.com

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

· Sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Data from ECHA:

<http://apps.echa.europa.eu/registered/data/DISS-9feb80f0-11af-071d-e044-00144f67d031/index.html>

USPEA Robust Summary:

<http://www.epa.gov/hpv/pubs/summaries/stilbene/c16115tp.pdf>

Data from IUCLID:

<http://www.epa.gov/hpv/pubs/summaries/stilbene/c16115rs.pdf>

Data from Molport:

<http://www.molport.com/buy-chemicals/moleculelink/about-this-molecule/6134454>

* Data compared to the previous version altered.

Section 2: Hazard Identification

Section 3: composition/information of ingredients

Section 4: First-aid measures.

Section 5: Fire-fighting measures

Section 6: Accidental Release measures

Section 7: Handling and storage.

Section 8: Exposure Controls/Personal protection.

Section 9: Physical and Chemical properties.

Section 10: Stability and Reactivity.

Section 11: Toxicological Information.

Section 12: Ecological Information.

Section 13: Disposal consideration.

Section 15:Regulatory information.

