



# Luminophore BBN CONC

## SECTION I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name Fluorescent Brightening Agent - C.I. No. FBA-24  
 Trade Name Luminophore BBN CONC  
 CAS Number 12224-02-1  
 EC Number 235-422-6

- Registration number 05-2115958106-44-0000(Pre- registration number)
- 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

### GHS07

Skin Irrit. 2 H315 Causes skin irritation.  
 Eye Irrit. 2 H319 Causes serious eye irritation.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC  
**Xi; Irritant**  
 R36/38: Irritating to eyes and skin.  
 • Information concerning particular hazards for human and environment: Not applicable.
- Information concerning particular hazards for human and environment: Not applicable.

### Label elements

### Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

### Hazard pictograms : GHS07

### Signal word : Warning

### Hazard statements

H315 Causes skin irritation.  
 H319 Causes serious eye irritation.

### Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P362	Take off contaminated clothing and wash before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.

### 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**  
12224-02-1  
tetrasodium 4,4'-bis[[4-[bis(2-hydroxyethyl)amino] -6-[(3- sulphonatophenyl)amino] -1,3,5-triazin-2-yl] amino]stilbene- 2,2'-disulphonate
- **Identification number(s)**  
EC number: 235-422-6
- **Additional information:**  
Molecular Weight: 1165.12  
Molecular Formula: C40H44 N12 O16 S4 . 4 Na
- **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 treatment.  
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:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture :** Carbon, nitrogen and sulfur oxides.
- **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.
- **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	Powder
Colour	Yellow to light green
Odour	Characteristic
pH-value	8.5-10.5 (1% soln)

### Change in Conditions

Melting point/Melting range	>300°C
Boiling point/Boiling range	--

Flash point Not applicable

Flammability (solid, gaseous) Not applicable

Self-igniting Product does not show self ignition.

Danger of explosion Product does not present an explosion hazard

Density at 20°C 0.85 - 1.05 g/cm<sup>3</sup> (Bulk density)

Solubility in/Miscibility with water at 25°C 50g/l

Segregation Coefficient (n-octanol/water) 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 > 2000mg/kg (rat) (Argument by analogy)

### **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.
- **CMR effects (carcinogenicity, 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

> 100 mg/L (activated sludge) (Retarded respiration test (OECD 209))

> 10mg/L (Daphnia magna) (OECD Test Guideline 202 - Argument by analogy)

### **· Persistence and Degradability**

Biodegradation : > 72%

Method: OECD 302 B (elimination) Argument by analogy

The product is "inherently biodegradable" according to the criteria of the OECD.

The total of the surfactants contained in the product is to be judged readily biodegradable according to OECD

· 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

· ADR, ADN

Void

· UN proper shipping name

· ADR, ADN

Void

· Transport hazard class(es)

· ADR, ADN, IMDG, IATA

· Class

Void



- Packing group  
· ADR, IMDG, IATA   Void
  
- Environmental hazards:
- Marine pollutant:   No
- Special precautions for user                             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**
- **Hazard pictograms** Please refer section 2
- **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  
<http://www.drugfuture.com/toxic/q42-q312.html>  
<http://www.lookchem.com/cas-122/12224-02-1.html>  
<http://www.chemblink.com/products/12224-02-1.htm>  
[http://www.chemicalbook.com/ProductChemicalPropertiesCB7934678\\_EN.htm](http://www.chemicalbook.com/ProductChemicalPropertiesCB7934678_EN.htm)  
<http://www.chemspider.com/Chemical-Structure.20144307.html>  
<http://www.chemcas.com/msds/cas/msds42/12224-02-1.asp>

- \* 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.

