

**MATERIAL SAFETY DATA SHEET (MSDS)****FAST BLUE BB SALT (C.I. NO. 37175)****1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE**

Product name : Fast blue bb salt

Synonyms : 4-Benzoylamino-2,5-diethoxybenzenediazonium chloridehemi(zinc chloride) salt 4-Amino-2,5-diethoxybenzanilide diazotatedzinc double salt

CAS-No : 5486-84-0

Product Coad: F0095500005

Formula : C<sub>17</sub>H<sub>18</sub>ClN<sub>3</sub>O<sub>3</sub> · 0.5ZnCl<sub>2</sub>

Molecular weight : 415.94 g/mol

**2. HAZARDS IDENTIFICATION**

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 Acute toxicity, Oral (Category 4), H302 For the full text of the H-Statements mentioned in this Section, see Section 16.

Label elements

Labelling according Regulation (EC) No 1272/2008 Pictogram

Signal word Warning

Hazard statement(s) H302 Harmful if swallowed.

Precautionary statement(s) P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

Supplemental Hazard Statements none

Other hazards This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substances**

Synonyms : 4-Benzoylamino-2,5-diethoxybenzenediazonium chloridehemi(zinc chloride) salt 4-Amino-2,5-diethoxybenzanilide diazotatedzinc double salt

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EC-No. : 226-817-4

Hazardous ingredients according to Regulation (EC) No 1272/2008

**4. FIRST AID MEASURES****Description of first aid measures**

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Description of first aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact Wash off with soap and plenty of water. Consult a physician.

In case of eye contact Flush eyes with water as a precaution.

If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**Indication of any immediate medical attention and special treatment needed** no data available

**5. FIREFIGHTING MEASURES****Extinguishing media**

**Suitable extinguishing media** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture** Nature of decomposition products not known.

**Advice for firefighters** Wear self contained breathing apparatus for fire fighting if necessary.

**Further information** no data available

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

Environmental precautions Do not let product enter drains.

Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections** For disposal see section 13.

**7. HANDLING AND STORAGE****Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Light sensitive. Storage class (TRGS 510): Non Combustible Solids

Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure controls**

**Appropriate engineering controls** General industrial hygiene practice.

**Personal protective equipment****Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

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Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique

(without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Immersion protection

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: > 480 min

Material tested: Dermatrill® ( Z677272, Size M)

Splash protection

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: > 30 min

Material tested: Dermatrill® ( Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 873000, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

#### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection** For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle r (US) or type ABEKP2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure** Do not let product enter drains.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

##### Information on basic physical and chemical properties

a) Appearance Form: powder

b) Odour No data available

c) Odour Threshold No data available

d) pH No data available

e) Melting point/freezing point Melting point/range: 157 °C

f) Initial boiling point and boiling range No data available

g) Flash point No data available

h) Evaporation rate No data available

i) Flammability (solid, gas) No data available

j) Upper/lower flammability or explosive limits No data available

k) Vapour pressure No data available

l) Vapour density No data available

m) Relative density No data available

n) Water solubility No data available

CHAITANYA CHS, 2<sup>nd</sup> FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.  
 CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

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- o) Partition coefficient: noctanol/water No data available
- p) Auto-ignition temperature No data available
- q) Decomposition temperature No data available
- r) Viscosity No data available
- s) Explosive properties No data available
- t) Oxidizing properties No data available

#### 10. STABILITY AND REACTIVITY

**Reactivity** no data available  
**Chemical stability** no data available  
**Possibility of hazardous reactions** no data available  
**Conditions to avoid** no data available  
**Incompatible materials** Strong oxidizing agents  
**Hazardous decomposition products** Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas, Zinc/zinc oxides

Other decomposition products - no data available

#### 11. TOXICOLOGICAL INFORMATION

##### Information on toxicological effects

**Acute toxicity** No data available 4-(Benzoylamino)-2,5-diethoxybenzenediazonium tetrachlorozincate Skin corrosion/irritation No data available 4-(Benzoylamino)-2,5-diethoxybenzenediazonium tetrachlorozincate)

Serious eye damage/eye irritation No data available 4-(Benzoylamino)-2,5-diethoxybenzenediazonium tetrachlorozincate)

Respiratory or skin sensitisation No data available 4-(Benzoylamino)-2,5-diethoxybenzenediazonium tetrachlorozincate)

Germ cell mutagenicity No data available 4-(Benzoylamino)-2,5-diethoxybenzenediazonium tetrachlorozincate)

Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity No data available 4-(Benzoylamino)-2,5-diethoxybenzenediazonium tetrachlorozincate)

Specific target organ toxicity - single exposure No data available 4-(Benzoylamino)-2,5-diethoxybenzenediazonium tetrachlorozincate)

Specific target organ toxicity - repeated exposure No data available

Aspiration hazard No data available 4-(Benzoylamino)-2,5-diethoxybenzenediazonium tetrachlorozincate) Additional Information RTECS: Not available  
 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. 4-(Benzoylamino)-2,5-diethoxybenzenediazonium tetrachlorozincate)

#### 12. ECOLOGICAL INFORMATION

**Toxicity** no data available  
**Persistence and degradability** no data available  
**Bioaccumulative potential** no data available  
**Mobility in soil** no data available  
**Results of PBT and vPvB assessment** no data available  
**Other adverse effects** no data available

#### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**  
**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**MATERIAL SAFETY DATA SHEET (MSDS)****FAST BLUE BB SALT (C.I. NO. 37175)****Contaminated packaging**

Dispose of as unused product.

**14. TRANSPORT INFORMATION**

Not regulated

**15 - REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical safety assessment For this product a chemical safety assessment was not carried out

**16. Other Information****Product Use:** Laboratory Reagent.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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**End of document**