



SAFETY DATA SHEET  
according to EC directives  
Trade name: DenimBlu coat  
Version:1.0/EN  
Revision date: 02/01/2018

## 1) IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

DenimBlu coat

Manufacturer / Supplier:  
BLU<sup>C</sup>ONNECTION PTE LTD  
4 Battery Road  
Bank of China Building #25-01  
Singapore 049908  
Telephone: +65 9125 3501  
Fax: +65 6557 0525  
Emergency telephone: +65 9116 7515

## 2) HAZARDS IDENTIFICATION

Hazard warning not required

## 3) COMPOSITION/INFORMATION ON INGREDIENTS

vat dye.  
aqueous preparation contains C.I. Vat Blue 1

## 4) FIRST AID MEASURES

General information: Take off immediately all contaminated clothing.

After inhalation: Upon inhalation of aerosol/vapour/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.

After contact with skin: Wash skin immediately with plenty of water, soap or other non-irritating cleansing agents.

After contact with eyes: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. A doctor (or eye specialist) should be consulted immediately.

After ingestion: Rinse mouth out immediately. In case of swallowing drink plenty of water, if possible with the addition of activated carbon. Do not induce vomiting. Seek medical advice, if patient feels unwell.



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## 5) FIRE-FIGHTING MEASURES

Suitable extinguishing media: water mist, foam, dry powder, CO<sub>2</sub>.

Special protective equipment for firefighting: Firemen have to wear self-contained breathing apparatus.

Further information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## 6) ACCIDENTAL RELEASE MEASURES

Personal precautions: Use the necessary personal protection equipment during any work

Environmental precautions: Do not empty into drains or waters.

Methods for cleaning up/taking up: Take up with absorbent material and fill into a closable container.

Additional information: For further disposal measures see Chapter 13.

## 7) HANDLING AND STORAGE

Advice on safe handling: Close container immediately after use, avoid excessive heat.  
Do not allow to dry out.

Advice on protection against fire and explosion: No special measures required.

Requirements for storage rooms and vessels: Store sealed in original container in a cool place.  
Do not allow product temperature to exceed 60°C.  
Do not allow product temperature to drop below 0°C.

Storage class: 12 non-combustible liquids

## 8) EXPOSURE CONTROLS / PERSONAL PROTECTION

General protective measures: Do not breathe vapour/spray. Avoid contact with eyes and skin.  
Take off immediately all contaminated clothing.

Hygiene measures: Do not eat, drink or smoke at work. Wash hands before breaks and at end of work and use skin-protecting ointment. Keep away from food and drink stuffs.

Hand protection: Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination,



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change protective gloves immediately. Avoid skin contact with the wetted surfaces of the protective gloves.

Eye protection: Wear safety glasses with side protection shield.

Body protection: Wear protective clothing.

## 9) PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid
Colour:	blue
Odour:	product specific
Solidifying point:	approx. 0 °C
Boiling range:	approx. 100 °C
Flash point:	> 100 °C
Density:	1.09 g/cm <sup>3</sup>
Solubility in water:	practically insoluble
Caustic content:	< 1.0 %

## 10) STABILITY AND REACTIVITY

Thermal decomposition: No thermal decomposition when stored and handled correctly.

Hazardous reactions: No hazardous reaction when used as directed.

## 11) TOXICOLOGICAL INFORMATION

Acute oral toxicity:	LD50 > 5.000 mg/kg (rat)
Acute inhalation toxicity:	(8h, rat) Method: Inhalation risk test No mortality after exposure to an enriched saturated atmosphere at 20°C.
Irritant effect on skin:	non-irritant (rabbit)



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Irritant effect on eyes:	non-irritant (rabbit)
Sensitization:	non-sensitizing (human). Method: Patch test
Mutagenicity:	gavage (0.1-2.0 mg/kg, 2x in 24h, mouse) Genetic Toxicology Micronucleus test negative
Remarks:	Toxicological data refers to the main component.

## 12) ECOLOGICAL INFORMATION

Biodegradability:	> 70 % (colour decrease) Method: Batch method
Biodegradability:	If regulations are followed when introducing effluent into biological waste water treatment plants, no adverse effect on the degradation activity of activated sludge is to be expected.
Fish toxicity:	LC50 > 100 mg/l (96 h, <i>Oncorhynchus mykiss</i> )
Daphnia toxicity:	EC50 > 100 mg/l (48 h, <i>Daphnia magna</i> )
Algae toxicity:	EC50 > 100 mg/l (72 h, <i>Scenedesmus subspicatus</i> ) Method: 92/69/EEC, C.3
Bacteria toxicity:	IC50 > 10,000 mg/l (0.5 h, <i>Pseudomonas pulida</i> ) Method: DIN 38412 T.27

Remarks:  
Product does not add to the AOX-value of the sewage. (DIN EN 1485)  
The product does not contain heavy metals in concentrations of concern for waste water.  
The product does not release nitrogen which can contribute to eutrophication.  
The product does not contain phosphates or organophosphorus compounds.

Ecological data refers to the main components.

## 13) DISPOSAL CONSIDERATIONS

Product: If utilisation or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e.g. by incineration in a suitable plant.

European Waste Catalogue (EWC) code: 040213 (Dyes and pigments)

Unclean packaging: Soiled, empty containers are to be treated in the same way as the contents.



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#### 14) TRANSPORT INFORMATION

ADR	Non-hazardous goods
ADNR	Non-hazardous goods
RID	Non-hazardous goods
IMDG	Non-hazardous goods
IATA_C	Non-hazardous goods
IATA_P	Non-hazardous goods
Other information	Irritating to skin and eyes. Keep separated from foodstuffs.

#### 15) REGULATORY INFORMATION

No labelling is required in accordance with the EEC directives:

#### 16) OTHER INFORMATION

This information is based on our present state of knowledge. This does not imply to grant specific properties of the products described or their suitability for a particular application.