

## MATERIAL SAFETY DATA SHEET

### 1.0 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation : **NOVATIC BROWN BR MICRO DISPERSE**

Use of substance /Preparation : Textile Colorant

Company / undertaking Identification : **Atul Limited, Colors Division.**

Address : Post : Atul 396020 Dist. : Valsad, Gujarat State, **INDIA.**

Phone No. : [ (91-02632) 233261, 233291-2, 233617-8, 233643 ]

Tele Fax No. : [ (91-02632) 233384, 233667, 233122, 233123 ]

E-mail / Web site : [wi.cl@atul.co.in](mailto:wi.cl@atul.co.in) / [www.atul.co.in](http://www.atul.co.in)

### 2.0 COMPOSITION / INFORMATION ON INGREDIENTS

A preparation containing Vat dye, C I Vat Brown 1.

Component and their concentration : -- CAS No. [2475-33-4]

Symbol : S 22/24/26/27/36/39

Product Code No. : 111533

EINECS No. : ---

Hazardous / dangerous ingredient(s) ( As per Directive 1999 / 45 / EC ) : None IUPAC No. : --

### 3.0 HAZARDS IDENTIFICATION

This health hazard assessment is based on a consideration of the composition of this product. May cause irritation to skin. Follow good manufacturing practices.

### 4.0 FIRST-AID MEASURES

Inhalation : Remove patient from exposure. Obtain medical attention if ill effects occur.

Skin Contact : Remove contaminated clothing. Wash skin with water. If Symptoms develop, obtain medical attention. Contaminated clothing should be laundered before re-issue.

Eye Contact : Irrigate promptly with copious amount of eye wash solution or clean water. Obtain medical attention.

Ingestion : Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Do not induce vomiting. Obtain medical attention if ill effects occur.

Further Medical Treatment : Symptomatic treatment and supportive therapy as indicated.

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### 5.0 FIRE-FIGHTING MEASURE

The material may form flammable dust clouds in air.

- Extinguishing media : Water spray, foam, dry powder or carbon dioxide.
- Fire Fighting Protective equipment : A self-contained breathing apparatus NOSH, MSHA or EN149 (approved or equivalent) and suitable protective clothing should be worn if involved in fire with other materials..

### 6.0 ACCIDENTAL RELEASE MEASURES

Protect against dust. Ensure suitable personal protection during removal of spillages. Clear up spillages and transfer to a container for disposal. Wash the spillage area clean.

### 7.0 HANDLING AND STORAGE

- Handling & Spillages : Control dust formation. Avoid contact with skin & eyes. Avoid inhalation of high concentration of dust.
- Incompatible Materials : None
- Storage : Keep container tightly closed and store in well ventilated area.
- Specific use (Other than 1.0) : None

### 8.0 EXPOSURE CONTROL / PERSONAL PROTECTION.

Exposure Limit Values

| LTEL 8 HR TWA |       | STEL |       | Time Std. |
|---------------|-------|------|-------|-----------|
| ppm           | Mg/m3 | ppm  | Mg/m3 |           |
|               |       |      |       |           |

Exposure Controls : Refer 6.0 and 7.0 above

Wear protective equipment to comply with good occupational hygiene practice.

- Respirators : Wear suitable respiratory protective equipment if exposure to high level of dust is likely.
- Eye Protection : The use of safety goggles is recommended.
- Skin Protection : The use of hand gloves and apron is recommended to avoid skin contact.





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**9.0 PHYSICAL AND CHEMICAL PROPERTIES**

|                                       |                            |
|---------------------------------------|----------------------------|
| Form                                  | : Grains                   |
| Color                                 | : Dull Brown               |
| Odour                                 | : None                     |
| pH (Value)                            | : 7.0-8.0 (10 g/l water)   |
| Boiling Point Deg. C.                 | : Not applicable           |
| Melting Point Deg. C.                 | : >360                     |
| Flash Point Deg. C.                   | : Not applicable           |
| Flammability                          | : Not available            |
| Auto Ignition Temp. Deg. C.           | : No data                  |
| Vapour Pressure (mm hg)               | : Not applicable           |
| Density ( g / ml ) / Relative Density | : 0.45-0.55 (Bulk density) |
| Solubility ( Water )                  | : Dispersible              |
| Solubility ( Other )                  | : No data                  |

**10.0 STABILITY AND REACTIVITY**

|                                    |              |   |
|------------------------------------|--------------|---|
| Hazardous Reactions                | : None known | : |
| Hazardous Decomposition Product(s) | : None known |   |

**11.0 TOXICOLOGICAL INFORMATION**

|              |  |
|--------------|--|
| Inhalation   | : Dust may be irritant to the upper respiratory tract. |
| Skin Contact | : May cause skin irritation                            |
| Eye Contact  | : Unlikely to cause eye irritation                     |
| Ingestion    | : Unlikely to be hazardous if swallowed                |
| LD50 (Rat)   | : >2,000 mg/kg.  |

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## **12.0 ECOLOGICAL INFORMATION**

### **Persistence and Degradation**

|                                      |                          |
|--------------------------------------|--------------------------|
| Chemical Oxygen Demand (COD)         | : 1.7 gO <sub>2</sub> /g |
| Biological Oxygen Demand (BOD 5 DAY) | : 0.2 gO <sub>2</sub> /g |
| LC50 (Rainbow trout) (96 hours)      | : >100 mg/l (by analogy) |
| IC 10                                | : >10 mg/l (by analogy)  |
| ECO Toxicity                         | : Low toxicity to fish   |
| Bio-accumulative Potential           | : No data.               |
| Bio de-gradation / Bio elimination   | : No data                |

## **13.0 DISPOSAL CONSIDERATIONS**

Disposal should be in accordance with local, state or national legislation.

## **14.0 TRANSPORT INFORMATION - IATA**

Not Classified as Hazardous for Transportation

## **15.0 REGULATORY INFORMATION**

Not Classified as Dangerous for Supply / Use.

## **16.0 OTHER INFORMATION**

The product will be in compliance with applicable requirements of OEKO TEX Standard 100 and German Consumer Goods Ordinance. It is not black listed as per 2455/2000/EEC

The product is used in the industry for many years. There is no sufficient evidence / reason to believe that it is harmful for users.

This MSDS Is prepared as per commission directive 2001 / 58 / EC dated 27-07-2001) (2<sup>nd</sup> Amendment) to 91 / 155 / EEC.

**NOVATIC** is a trade name for Vat dye from Atul Limited.

Information contained herein is based on the present state of our knowledge & experience and is intended to describe our product with respect to possible safety demands. Therefore, does not guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.

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