

## **MATERIAL SAFETY DATA SHEET.**

### **SECTION 1 - CHEMICAL IDENTIFICATION**

PRODUCT NAME : **REACTIVE BLACK 5**  
C. I. NP. : 20505  
CAS NO. : 12225-25-1  
SHIPPERS DETAILS : SPACE INTERNATIONAL  
402-403 SWASTIK CHAMBERS,  
C.S.T. ROAD,CHEMBUR, MUMBAI : 400 071, INDIA.  
SHIPPING NAME : SYNTHETIC ORGANIC DYESTUFFS  
General Use : Textile application

### **SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

Product's Name : REACTIVE BLACK 5  
General Description : Reactive Dyes  
Xn (Harmful) : R 42/43 May cause sensitization by inhalation and skin contact (28-33%)

### **SECTION 3 - HAZARD IDENTIFICATION**

Inhalation : Dust may irritate and may cause sensitization  
Eye contact : Irritant  
Skin Contact : May cause sensitization

### **SECTION 4 - FIRST AID MEASURES**

Inhalation : Remove to a well ventilated area. If distressed seek medical aid.  
Skin : Wash all contaminated parts with water.  
Eyes : Rinse with an copious stream of water. Seek medical advise if irritated  
Ingestion : Consult medical aid immediately, show the pack description.  
Medical Note : The Material is by all standards non-hazardous. If principle problem is with Stating of adjacent material, particularly in wet conditions.

### **SECTION 5 - FIRE FIGHTING MESURES**

Extinguishing media : If involved in a fire use water, dry powder, or CO<sub>2</sub>  
Exposure Hazardous : In case of fire do not breathe the fumes of CO<sub>2</sub> / CO  
Protective equipments : Wear a suitable respirator and full clothing

### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Respiratory Protection. : Use Respirator, if necessary use suitable filters Protective Gloves.  
: Use plastic or rubber gloves while industrial operation.  
Eye Protection : Proper eye protection should be taken in any type of industrial operation.  
Environmental Protection : Prevent entry into sewers and watercourses, if such entry has occurred or soil or vegetation has been contaminated advice the police.  
Disposal : Damp down or mix moist sand and then vacuum or sweep up the place in containers for safe disposal. Containers should be sealed and labeled. Flush away any traces which cannot be recovered by other means with copious amounts of

water, and detergent if available. Remove container of waste material to disposal site.

#### **SECTION 7 - HANDLING AND STORAGE**

Storage	:	Dry cool place in sealed original container.
Ventilation	:	Do not allow dust to remain suspended.
Handling	:	Wear gloves / Goggles / Masks. Keep in containers as supplied.
Transport	:	Transport in tightly closed containers supplied.

#### **SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure Limits	:	No specific exposure limits are currently available for reactive dyestuffs. In the light of the potential for respiratory sensitization it is strongly recommended that exposure is kept minimum.
Exposure Control	:	Ensure adequate ventilation of work areas with extraction if necessary.
Respiratory Protection	:	Use Respirator, if necessary use suitable filter, Dust mask, Protective Gloves.
Hand protection	:	Use plastic or rubber gloves while industrial operation.
Eye Protection.	:	Proper eye protection like safety glasses should be taken in any type of industrial operation.
Protective equipments	:	Safety shower, Eye Bath, Apron, Hand Gloves, Boots, to prevent skin contact

#### **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	:	BLACK POWDER
Odor	:	Odorless
Melting Point	:	N.A
Boiling Point	:	N.A
Flammability	:	Not Applicable
Auto Flammability (°C)	:	Not Applicable
Bulk Density	:	500 Kg/m <sup>3</sup>
Solubility in water	:	Soluble in water
Vapor pressure (mmHg)	:	Not available
Explosive properties	:	There is a possibility of dust explosion, precautionary measures should be taken.

#### **SECTION 10 - STABILITY AND REACTIVITY**

Stability	:	Product is stable under normal conditions
Hazardous Decomposition	:	The substance is arising from thermal products Decomposition of product cannot be predicted. Any flames are potentially irritant/toxic and suitable protective equipment should be worn.

#### **SECTION 11 - TOXICOLOGICAL INFORMATION**

Acute dermal toxicity	:	LD50 > 2,000 mg/kg (rat)
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Irritant effect on skin	:	non-irritant (rabbit)
Irritant effect on eyes	:	non- irritant (rabbit eyes)
Sensitization	:	In a guinea pig did not show a sensitizing effect (OECD 406; GPMT according to MAGNUSSON-KIGMAN). High dust concentration may result in irritation of mucous membranes (eyes or

respiratory tract). Repeat exposure to high dust concentration of some reactive dyestuffs may vary occasionally cause respiratory hypersensitivity.  
Remarks : A sensation by this dyestuff has not be observed.  
: Test results of a similar composed product

#### **SECTION 12 - ECOLOGICAL INFORMATION**

Biodegradability : 25 – 50%  
Fish toxicity : Method : batch method  
: LC50 > 100mg/l (48h, Leuciscus idus)  
Bacteria toxicity : EC50 > 1,000 mg/l  
: Test procedure: Respiratory inhibition of activated sludge organisms according to D. brown et al., Chemosphere, 10(3), 245-261 (1981), and confirming to OECD Guidline 209.  
Chemical Oxygen Demand (COD) : Approx. 660 mg/g  
Remarks : Test results of a similar composed product  
Product does not add to AOX – value of the sewage.(DIN EN 1485)  
This product contains approx. 2.6% complex bonded nickel.  
This product contains approx. 2.0% available nitrogen which can contribute to eutrophication.  
This product does not contain phosphates or organ phosphorus compounds.

#### **SECTION 13 - DISPOSAL CONSIDERATIONS**

Recovered material and with or unwanted product should be disposed of by land fill or incineration at the authorized site in accordance with local legislation.  
Disposal of uncleaned containers : Dispose of as for product

#### **SECTION 14 - TRANSPORT INFORMATION**

Remarks : Not classified as dangerous in the meaning of transport regulation.

#### **SECTION 15 - REGULATORY INFORMATION**

Not classified as dangerous substance or preparation for supply.  
Risk phrases : R 42/43 may cause sensitization by inhalation and skin contact.  
Safety phrases : S22. Do not breath dust. S24/25 Avoid contact with skin and eyes. S37/39 wear suitable gloves and eye/face protection. S45 in case of accident or if you feel unwell, seek medical advise immediately.  
(show label where possible)

#### **SECTION 16 - OTHER INFORMATION: NOT APPLICABLE**

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