



# VIBFAST PIGMENTS PVT. LTD.

## Safety Data Sheet

According to Regulation EC No. 1907/2006 (REACH), EC No. 1272/2008 (CLP)

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Product : PIGMENT RED 104		

### 1. Identification of the substance/preparation and of the Company/Undertaking

#### Product details:

Chemical Name : VIBFAST SCARLET CHROME 4074  
PIGMENT RED 104(SC)

Use of the substance / the preparation : Colorants for Paints, Plastics, Inks, Textile etc

#### Company/undertaking identification:

Supplier(Manufacturer) : Vibfast Pigments Pvt. Ltd.  
Address : C-1, 91/6, Phase 1, G.I.D.C., B/h. Bank of India, Vatva, Ahmedabad-382 445, INDIA

Telephone : 0091-79-32920774, 0091-79-64501424  
Fax : 0091-79-25893014  
Emergency telephone No. : 0091-79-32920774  
e-mail : [amit@vibfast.com](mailto:amit@vibfast.com),

### 2. HAZARDS IDENTIFICATION

#### > Hazard description:



Carc. Cat. 2, Repr. Cat. 1, 3

T Toxic

N Dangerous for the environment

#### >Information concerning particular hazards for human and environment:

R 45: May cause cancer.

R 61: May cause harm to the unborn child.

R 62: Possible risk of impaired fertility.

R 33: Danger of cumulative effects.

R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### >Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

#### > GHS label elements



Danger

H360Df- May damage the unborn child. Suspected of damaging fertility.

H351 - Suspected of causing cancer.

H373 - May cause damage to organs through prolonged or repeated exposure



Warning



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H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

>Prevention:

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P281 Use personal protective equipment as required.

> Response:

P308+P313 IF exposed or concerned: Get medical advice/attention.

> Storage:

P405 Store locked up.

> Disposal:

P501 Dispose of contents/container in accordance with local/regional national/international regulations.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization : Bichromdate  
CAS No., description : 12656-85-8 Pigment Red 104, C.I. 77605  
Identification No. : EINECS No. 235-759-9

### 4. FIRST AID MEASURES

General information : No special measures required.  
In case of Inhalation : Move person to fresh air. Consult doctor in event of any complaints.  
In case of Skin Contact : Wash with soap and water.  
In case of Eye Contact : Immediately flush eyes with water for at least 15 minutes. If discomfort persists, seek medical attention.  
In case of Ingestion : Rinse Mouth with water. Seek medical attention.

### 5. FIRE FIGHTING MEASURES

Suitable Extinguishing media : Co<sub>2</sub>, powder or water spray, fight larger fires with water spray or alcohol resistant foam.  
Protective equipment : Wear self-contained respiratory protective device. Wear fully protective suit.

### 6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions :  
Use protective equipment as indicated in item 8. Avoid inhalation of dusts.  
Measures for environmental protection :  
Dilute with plenty of water. Do not allow to enter sewers / surface / ground water.  
Measures for Cleaning/collecting :  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Additional information :



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No dangerous substances are released.

### 7. HANDLING AND STORAGE

Handling : No special measures required.

Storage : Store in dry and cool conditions. (+5 to +30°C), Ensure adequate ventilation, avoid formation of dust.

Storage class : No data.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION :

Additional information about design of technical facilities : No Further data. See item 7.

Ingredients with limit values that require monitoring at the workplace : Not require.

Personal protective equipment :

General protective and hygienic measures : The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection : Not required.

Protection of hands :



#### Protective gloves

Material of gloves : Rubber gloves (EN 374)

Penetration time of glove material : The exact break through time has to found out by the manufacturer of the protective gloves and has to be observed.

Eye Protection : Goggles recommended during refilling. Tightly sealed goggles. (EN 166)



#### Tightly sealed goggles (EN 166)

Body protection : Protective work clothing (EN 344)

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### General Information:

Appearance : Powder  
Color : Red  
Odor : Odorless

#### Important health, safety and environmental information:

pH : 6-8  
Melting Point/range(°C) : Undetermined  
Boiling point/range(°C) : Undetermined  
Flash point(°C) : Not Applicable  
Bulk Density (g/cm<sup>3</sup>) : 4.5  
Water solubility (g/l) at 25 °C : Slightly soluble / insoluble  
Danger of explosion : Product does not present an explosion hazard.  
Organic solvents : 0.0%  
Solid contents : 100.0%



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**10. STABILITY AND REACTIVITY**

Thermal decomposition/condition to be avoid : No decomposition if used according to specifications.

Dangerous reactions : No dangerous reactions known.

Dangerous decomposition product : No dangerous decomposition products known.

**11. TOXICOLOGICAL INFORMATION**

Acute toxicity:

LD/LC 50 values relevant for classification :

Oral LD50 > 5000 mg/kg (rat)

Primary irritant effect :

On the skin : Not irritant (data from literature).

On the eye : Not irritant (data from literature).

Sensitization : No sensitizing effect known (data from literature).

Additional toxicological information :

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of EU lists.

**12. ECOLOGICAL INFORMATION**

Information about elimination (persistence and degradability):

Degree of elimination : The pigment is almost insoluble in water and therefore it is not bioavailable. It is probable that the product can be eliminated/removed from the sewage by mechanical/biological treatment.

Ecotoxic effects :

Remarks : AOX – indication :

The pigment does not contain chlorus.

Heavy Metals :

The possible content of soluble heavy metals as microcontaminants are typical below 25 ppm for each of the following :

Antimony, Arsenic, Chromium, Lead, Cadmium, Mercury, Nickel, Selenium, Zinc.

Copper :

The product contains approx, 4-5% organic bounded copper as part of the pigment molecule. The content of free copper (ionic copper) is ~ 100 ppm.

General notes : Water hazard class 1 (German Regulation) (self-assessment): slightly hazardous for water.

**13. DISPOSAL CONSIDERATIONS**

Product:

Recommendation smaller quantities can be disposed of with household waste.

Uncleaned packaging:

Recommendation : Disposal must be made according to official regulations.



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Recommended cleansing agents : Water, if necessary together with cleansing agents.

### 14. TRANSPORT INFORMATION

Land transport ADR/RID (cross-border)

ADR/RID class: NIL

Maritime transport IMDG:

IMDG class: NIL

Air transport ICAO-TI and IATA-DGR :

ICAO/IATA class: NIL

Transport/additional information : Not dangerous according to the above specifications.

### 15. REGULATORY INFORMATION

Labeling according to EU guidelines:

Observe the general safety regulations when handling chemicals. The substance is not subject to classification according to EU lists and other sources of literature known to us.

Safety phrases : 36/37 wear suitable protective clothing and gloves.

### 16. 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 : Technical & Customer Support

Contact : Mr. Amit V. Banthia, e-mail : [amit@vibfast.com](mailto:amit@vibfast.com).

ADR: Accord europeen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Reglement internationale 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

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

\*Data compared to the previous version altered.