



VIBFAST PIGMENTS PVT. LTD.

Safety Data Sheet

According to Regulation OSHA HazCom 2012
S.GHS.U.S.A.EN)

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

Product Identifier:

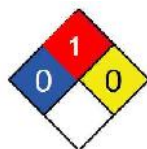
Chemical Name : SOLVENT RED 24 (Vibasol Red 24)
Use of the substance / the preparation : Laboratory Chemicals, Manufacture of Substances, Colorants for Plastics, Paints, Printing inks, Textile, etc.
Proper Shipping Name : Not Applicable
Other means of identification : Not applicable
CAS Number : 85-83-6

Details of Manufacturer / Supplier:

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

2. HAZARDS IDENTIFICATION

Classification of Substance or mixture



GHS Classification : Not Applicable
Label Elements:
GHS Label Elements : Not Applicable
Hazard Statement(s) : Not Applicable
Precautionary Statement(s): Prevention: Not Applicable
Precautionary Statement(s): Response: Not Applicable
Precautionary Statement(s): Storage: Not Applicable.
Precautionary Statement(s): Disposal: Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization : 1-(2-Methyl-4-(2-methylphenylazo) Phenylazo-2-naphthol).
(Solvent Red 24) CI NO. 26105
CAS No., description : 85-83-6; EC-No. 201-635-8
% (Weight) : 100

4. FIRST AID MEASURES

Eye Contact	If this product comes in contact with the eyes: i) Wash out immediately with water. ii) If irritation continues, seek medical attention. Removal of Contact lenses after an eye injury should only be undertaken by skilled personnel.
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Skin Contact	If skin contact occurs: i) Immediately remove all contaminated clothing, including footwear. ii) Flush skin and hair with running water (and soap if available) iii) Seek medical attention in event of irritation.
Inhalation	If fumes or combustion products are inhaled remove from contaminated area. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital or Doctor.
Ingestion	If swallowed do not induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casually can comfortably drink. Seek medical advice.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

For copper intoxication:

- i) Unless extensive vomiting has occurred empty the stomach by lavage with water, milk, sodium bicarbonate solution or a 0.1% solution of potassium ferrocyanide (the resulting copper ferrocyanide is insoluble).
- ii) Administer egg white and other demulcents.
- iii) Maintain electrolyte and fluid balances.
- iv) Morphine or meperidine (Demerol) may be necessary for control of pain.
- v) If symptoms persist or intensify (especially circulatory collapse or cerebral disturbances, try BAL intramuscularly or penicillamine in accordance with the supplier's recommendations.
- vi) Treat shock vigorously with blood transfusions and perhaps vasopressor amines.
- vii) If intravascular haemolysis becomes evident protect the kidneys by maintaining a diuresis with mannitol and perhaps by alkalinizing the urine with sodium bicarbonate.
- viii) It is unlikely that methylene blue would be effective against the occasional methaemoglobinemia and it might exacerbate the subsequent haemolytic episode.
- ix) Institute measures for impending renal and hepatic failure.
(GOSSELIN, SMITH & HODGE: Commercial Toxicology of commercial products)
- x) A role for activated charcoal or emesis is, as yet, unproven.
- xi) In severe poisoning CaNa₂EDTA has been proposed.



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(ELLENTHORN & BARCELOUX: Medical Toxicology)

5. FIRE FIGHTING MEASURES

- Suitable Extinguishing media** : CO₂, 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.

Fire /Explosion Hazard:

Avoid generating dust, particularly clouds of dust in a confined or unventilated space as dusts may form an explosive mixture with air, and any sources of ignition, i.e. flame or spark, will cause fire or explosion. Dust clouds generated by the fine grinding of the solid are particular hazard; accumulations of fine dust (420 microns or less) may burn rapidly and fiercely if ignited – particles exceeding this limit will generally not form flammable dust clouds; ones initiated, however, larger particles up to 1400 microns diameter will continue to the propagation of an explosion.

After combustion likely chances of gases like oxides of carbon and nitrogen may emit noxious and toxic fumes.

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 :

No dangerous substances are released.

7. HANDLING AND STORAGE

Safe Handling	Prevent formation of Dust. Use in a well-ventilated area. Take precautionary measures against electrostatic charges – eating is necessary during loading operation. Avoid exposure to open flame or spark. Wear protective clothing when risk of exposure occurs. Avoid contact with incompatible materials.
Other Information	Store in original containers. Keep Container securely sealed. Store in cool, dry area protected from environmental extremes.
Suitable Container	Packing as recommended by manufacturer.
Storage incompatibility	Avoid exposure to flame or spark. Prevent formation of Dust. Use in well-ventilated area.

Package Material Incompatibilities: Not applicable.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION :

Control Parameters
Occupational Exposure Limits (OEL)
Ingredient Data

Source	Ingredient	TWA	STEL	Peak	Notes
US OSHA Permissible Exposure Levels (PELs) – Table Z1	C.I. Solvent Red 24	0.1 mg/m ³ /1 mg/m ³	Not Available	Not Available	(as Cu)/(as Cu); Dusts and mists

Emergency Limit

Ingredient	TEEL -0	TEEL-1	TEEL-2	TEEL-3
Solvent Red 24	Not available	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
C.I. Solvent Red 24	Not available	Not available

Personal Protection:



Appropriate Engineering Controls: Where suitable engineering controls are not fitted or are inadequate, wear suitable personal protective equipment.

Eye and face Protection: Safety glasses with side shields. Contact Lenses may pose special hazard; soft lenses may absorb and concentrate irritants.

Skin Protection: See Hand protection below.

Hands /feet protection Wear suitable glove nitrile rubber

Body protection: See other protection below

Other protection: No special equipment needed when handling in small quantity.

Thermal Hazards: Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information:

Appearance : Powder
Color : Red
Odour : Odourless

Important health, safety and environmental information:

pH : 6-8



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Melting Point/range(°C)	: Undetermined
Boiling point/range(°C)	: Undetermined
Flash point(°C)	: Not Applicable
Density (g/cm ³) (20 °C)	: 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%
Reactivity & Flammability	: Not Reactive & Not Flammable.

10. STABILITY AND REACTIVITY

Reactivity	See Section 7
Chemical Stability	Stable under normal Conditions
Possibility of Hazardous reactions	See Section 7
Conditions to avoid	See Section 7
Incompatible Material	See Section 7
Hazardous decomposition Products	See Section 5

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

Toxicity:

Copper is unlikely to accumulate in the atmosphere due to a short residence time for airborne copper aerosols. Airborne coppers, however, may be transported over large distances, copper accumulates significantly in food chain.

Drinking water standards:

3000 ug/l (UK Max)

2000 ug/l (WHO provisional Guideline)

1000 ug/l (WHO level where individuals complain)

Soil Guidelines: Dutch Criteria



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36 mg/kg (target)
190 mg/kg (target)
190 mg/kg (intervention)
Air Quality Standards: no data available.

Persistence and degradability:

Ingredient	Persistence: Water /Soil	Persistence: Air
C.I. Solvent Red 24	Low	Low

Bioaccumulative Potential:

Ingredient	Mobility
C.I. Solvent Red 24	Low (BCF = 11)

Mobility in soil

Ingredients	Mobility
C.I. Solvent Red 24	Low (KOC = 10000000000)

13. DISPOSAL CONSIDERATIONS

Waste Treatment Method:

Product/ Packaging Disposal: Waste disposal should be carried out according to local, State or National Legislation.

14. TRANSPORT INFORMATION

Labels Required:

Marine Pollutant: No

Land Transport (DOT): Not regulated for Transport dangerous goods.

Air Transport(ICAO-IATA/DGR): Not regulated

Sea Transport (IMDG-Code/GGVSee): Not Regulated

Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC Code:

Source	Ingredient	Pollution Category
IMO MARPOL 73/78 (Annex II) – List of Noxious Liquid substances carried in Bulk	C.I. Solvent Red 24	X

15. REGULATORY INFORMATION

Safety, health and environmental Regulations / Legislation for substance or mixture:

C.I. Solvent Red 24 (85-83-6) is found on the following regulatory Lists	'US-California Permissible Exposure Limits for Chemical Contaminants', US-Idaho- Limits for Air Contaminants,' US-Hawali Air Contaminant Limits,' US-Vermont Permissible Exposure Limits Table Z-1-A. Final Rule Limits for Air Contaminants,' US California OEHHA/ARB – Acute Reference Exposure levels and Target Organs (RELs),' US-Washington Toxic Air Pollunatnts and their ASIL, SQER and de minimis emission values, US- Minnesota Permissible Limits (PELs),' 'US – Vermont Permissible Exposure Limits Table Z-1-A, Transitional Limits for Air
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Contaminants, US OSHA Permissible Exposure Levels (PELs) – Table Z1, US Toxic Substances Control Act (TSCA) – Chemical Substance Inventory
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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

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.**