



# VIBFAST PIGMENTS PVT LTD.,



C-1, 91/6, Phase 1, G.I.D.C., B/h. Bank of India,  
Vatva, Ahmedabad-382 445, INDIA  
Phone : 0091-79-32920774, 0091-79-64501424 Fax : 0091-79-25893014

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## VIBFAST LAKE INDIGO CARMINE MATERIAL SAFETY DATA SHEET (MSDS)

### 1. Commercial Product : Lake Indigo Carmine

Company	Vibfast Pigments Pvt Ltd.,
Addresses	Plot No. C – 1, 91-6, Phase -1, B/h Bank of India, GIDC Vatva, Ahmedabad - 382 445, India
Telephone No: -	+91 - 79 – 2583 0667
Fax No: -	+91 – 79 – 2589 3014
Chemical Family(class)	Indigoid
Chemical Name	Disodium 3,3'-dioxo-2,2'-bi-indolylidene-5,5'-disulphonate

### 2. Information on Ingredients: -

E. E. C. No	E-132
EINECS	212-728-8
CAS No	860-22-0(5,5'isomer)
C. I. No	73015:1
Molecular Formula	$C_{16}H_8N_2O_8S_2Na_2$
Molecular Weight	466.36
According to documentation available is edible dye.	

### 3. Physical and chemical properties: -

Physical State	Solid, Fine Powder/Granules
Colour	Dark Blue
Odor	Odorless
pH value	5-6
Boiling Point	Not applicable
Melting Point	No sharp melting point observed
Flash Point	Not applicable

### 4. Substance does not having any oxidising property: -

Ignition Temperature	Not applicable
Explosion Limit	Not applicable
Vapour Pressure	Not applicable
Density	0.80
Solubility in water	15 gms/litre

### 5. Stability & Reactivity: -

Hazardous Reactions	No
Hazardous Decomposition Product	Not Established
Chemical In Compatibility	Strong Reducing Agents, Decolourising Agents, Strong Acids & Alkalies
Condition To Avoid	I) Heating To High Temperature II) Storage under damp atmosphere
Reactivity Data	This material is stable under condition of normal handling and use, but sensitive to moist air.



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## 6. Handling & Storage: -

Handling	Avoid formation of dust
Storage	Keep in closed container at ambient temperature & humidity
Do Not Store Together	Store Colourwise

## 7. Exposure Controls/Personal Protection: -

TLV	No
Respirator Protection	May be used (In case dust formation particle filter e.g. DIN 3181-21 may be)
Ventilation	Local ventilation capable of minimizing dust emission at the point of use
Eye Protection	Protective glasses may be used
Hand Protection	Rubber gloves may be used wash the hands before and at the end of work with water, soap

## 8. Hazards Identification: -

Warnings  
The usual precautions taken when handling of dyes should be observed.  
As the substance is edible dye, no hazardous to water supply.

## 9. First Aid Measures: -

Eye Contact	Wash eyes with plenty of water for at least 15 minute
Skin Contact	Wash off with plenty of water & soap
Ingestion	Plenty full water to be taken inside, special medical attention may not be necessary

## 10. Accidental Release Measures: -

After Spillage	Sweep up spilled substance carefully, then clean with water
Absorbent Material	Use clean cotton cloth

## 11. Disposal Consideration: -

Can be sent to an incineration plant in accordance with local regulations

## 12. Fire Fighting Measures: -

Extinguishing Media	Use dry chemicals or carbon dioxide CO <sub>2</sub>
Thermal Decomposition	Dangerous decomposition is not anticipated

## 13. Toxicological Information (In Rats & Mice): -

LD 50 Oral	6000-10000 mg/kg body weight
LD 50 Intraperitoneal	3800-5000 mg/kg body weight
LD 50 skin	No adverse or pathological effect
LD 50 inhalation	Not Known
Eye Irritation	Not irritating to Eye
Dermal Irritation	Not irritating to skin.
Acceptable Daily Intake	Intake
JECFA	0-2.5 mg/kg body weight



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EEC 0-2.5 mg/kg body weight

#### 14. Ecological Information: -

Water Hazard Being an edible dye, Not established

#### 15. Transport Information: -

Not Hazardous Cargo  
Keep separated from hazardous chemicals

#### 16. Regulatory Information: -

Manufactured as per specification set by BIS (India), FAO/WHO (JECFA), Each country has its own laws on coloring of food-stuffs, colorant permitted and their purity standards

#### Other Information: -

This product should be stored, handled and used in accordance with good industrial hygienic practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of health and safety requirements. It should not therefore be construed as guaranteeing specific properties

**For total dye content: requirement within tolerance limit of  $\pm 7.5\%$  the declared of value.**