



# Safety Data Sheet

According to Regulation EU 2020/878/EC  
**Pigmasol Blue MBX**  
Revision Date : 16-01-2024

## SECTION 1: Identification of the Substance/mixture and of the Company/undertaking

### 1.1 Product Identifier

Pigmasol Blue MBX

### 1.2 Relevant Identified uses of the substance or mixture and uses advised against

Industry sector : Textile Processing Industry  
Type of Use : Pigment Dye for the Textile Industry

### 1.3 Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier : M.N Chemical Inds. (Pvt) Ltd  
Address : 19Km on Faisalabad-Jaranwala Road Faisalabad , Pakistan  
Telephone No. : + 92 41 850 7660  
e-mail : [info@mnchemical.com.pk](mailto:info@mnchemical.com.pk)

### 1.4 Emergency Telephone Number

+ 92 41 850 7662

## SECTION 2 : Hazards Identification

### EU Classification (1999/45/EC)



R-36 Irritating to eyes  
R-38 Irritating to skin

### 2.1 Classification of the substance or mixture

Classification according to CLP regulation (EC) No. 1272/2008

Not a dangerous substance according to GHS.

### 2.2 Label elements

Labelling according to CLP regulation (EC) No. 1272/2008





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H-315 May cause skin irritation

H-320 May cause eye irritation

## Precautionary statements :

P-280 Wear protective gloves/protection/face protection

## Response Statements :

P-333 + P-313 If skin irritation or rash occurs: Get medical advice/attention

P-337 + P-313 If eye irritation persists: Get medical advice/attention

## 2.3 Other Hazards

According to the present state of knowledge provided this product is handled correctly, there is no danger to humans or the environment.

## SECTION 3 : Composition/Information on ingredients

### 3.1 Substances

Not Applicable

### 3.2 Mixtures

#### Chemical Characterization

Phthalocyanine pigment preparation

Ingredients	CAS No.	% [ weight]
Pigment Blue 15:0	147-14-8	30%
Lutensol TO-20	69011-36-5	4 - 5%
1,2-propylene glycol	57-55-6	4 - 5%
Water	7732-18-5	60 - 62%

## SECTION 4 : First Aid measures

### 4.1 Description of first aid measures

#### General Information

Take off immediately all contaminated clothing.

#### After Inhalation

Upon inhalation take the person to fresh air. If there is difficulty in breathing , get medical attention.

#### After contact with Skin



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After contact with skin , wash immediately with plenty of water and soap.

## After contact with Eyes

In case of contact with eyes , immediately flush eyes with plenty of water for at least 15minutes. If eye irritation persists , consult a specialist.

## After Ingestion

If the product is swallowed , the patient must at once drink water repeatedly. If the patient feels unwell , seek medical advice.

## 4.2 Most important symptoms and effects , both acute and delayed

Please see hazards statement in section 2.2 and information in this section.

## 4.3 Indication of any immediate medical attention and special treatment needed

Please see precautionary statements in section 2.2 as well as first aid information in this section.

## SECTION 5 : Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water Spray , Dry powder , Foam , CO2

### 5.2 Special hazards arising from the substance or mixture

Not Determined.

### 5.3 Advice for firefighters

Special protective equipment for firefighting : Firemen have to wear self-contained breathing apparatus.

### Further Information

Extinguishing water is to be disposed of in accordance with local authority regulations.

## SECTION 6 : Accidental Release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use the necessary personal protection equipment during any work.

### 6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.

### 6.3 Methods and material for containment and cleaning up



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Pump up larger quantities.  
Pick up rest with absorbent material (e.g. sand, sawdust).  
Dispose of absorbed material in accordance with the regulations.

## 6.4 Reference to other sections

### Additional information

Information regarding safe handling , see chapter 7.

## SECTION 7 : Handling and storage

### 7.1 Precautions for safe Handling

#### Advice on safe handling

Close container immediately after use , avoid excessive heat. Do not allow to dry out.

#### Hygiene measures

Do not eat , drink or smoke when using this product.

#### Advice on protection against fire and explosion

No special measures against fire or explosion required.

### 7.2 Conditions for safe storage , including any incompatibilities

#### Requirements for storage areas and containers

Keep containers tightly closed in a cool , well-ventilated place.  
Should not be released into the environment.

#### Advice on storage compatibility

Keep away from food , drink and animal feeding stuffs.

#### Further information on storage conditions

Keep cool.  
Keep tightly closed.

#### Storage stability

Storage temperature : 5 - 40°C  
Storage stability : 12 Months

### 7.3 Specific end use(s)

See section 1 for information on 1.2 relevant identified uses.

## SECTION 8 : Exposure controls/personal protection

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## 8.1 Control parameters

### Exposure limit values

Exposure limit values are not available.

### DNEL/DMEL values

DNEL/DMEL values are not available.

### PNEC values

PNEC values are not available.

## 8.2 Exposure controls

### General protective measures

Do not breath vapour/spray. Avoid contact with skin and eyes. Take off immediately all contaminated clothing.

### Hygiene measures

Do not eat , drink or smoke at work. Wash hands before breaks and at end of work. Keep away from food and drink stuffs.

### Respiratory protection

Not required.

### Hand protection

Wear suitable gloves .e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately. Avoid skin contact with the wetted surfaces of the protective gloves.

### Eye protection

Safety glasses with side protection shield.

### Body protection

Wear protective clothing.

## SECTION 9 : Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form : Liquid



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Colour	:	Blue
Odour	:	Odourless
Melting point	:	Not applicable
Boiling point	:	Not determined
Flash point	:	> 110°C
Ignition temperature	:	Not determined
Self-ignition temp.	:	Not auto-flammable
Thermal decomposition:	:	No decomposition if used as directed
Flammability	:	The product is not flammable
Lower explosion limit:	:	Not relevant
Upper explosion limit:	:	Not relevant
Vapour pressure	:	Not applicable
Density	:	approx. 1,0 – 1,4g/cm <sup>3</sup>
Solubility in water	:	Miscible
pH value	:	8 - 9
Viscosity (kinematic):	:	Not determined
Viscosity (flow time):	:	Not determined

## 9.2 Other information

Bulk Density	:	Not determined
Further information (phys. – chem.)	:	Not necessary

## SECTION 10 : Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

None known.

### 10.5 Incompatible materials

Strong acids  
Strong bases  
Strong oxidizing agents

### 10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed.

## SECTION 11 : Toxicological information

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## 11.1 Information on Toxicological effects

Information related to the product itself :

<b>Acute oral toxicity</b>	:	LD50 > 2000mg/kg (rat)
<b>Acute dermal toxicity</b>	:	Not tested
<b>Acute inhalation toxicity</b>	:	Not tested
<b>Irritant effect on skin</b>	:	No skin irritation (rabbit)
<b>Irritant effect on eyes</b>	:	No eye irritation (rabbit)
<b>Sensitization</b>	:	Not determined
<b>Repeated dose toxicity</b>	:	Not tested
<b>Mutagenicity</b>	:	Based on the ingredients, there is no suspicion of a mutagenic effect.
<b>Carcinogenicity</b>	:	The whole of the information assessable provides no indication of a carcinogenic effect.
<b>Specific target organ</b>	:	According to experience and to the information
<b>Toxicity (STOT)</b>	:	available , the product has no harmful effects on health if used correctly and for the intended purpose.
<b>Remarks</b>	:	The result of a component contained in the Product.

## SECTION 12 : Ecological information

### 12.1 Toxicity

Information related to the product itself :

<b>Fish toxicity</b>	:	LC 50 > 100mg/l (96h , Leuciscus idus (Golden Orfe) )
<b>Daphnia toxicity</b>	:	Not tested
<b>Algae toxicity</b>	:	Not tested
<b>Bacteria toxicity</b>	:	Not tested

### 12.2 Persistence and degradability

Information related to the product itself :

Biodegradability	:	Not tested
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### 12.3 Bioaccumulative potential

Information related to the product itself :

Bioaccumulation	:	Not tested
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### 12.4 Mobility in soil

Information related to the product itself :

Behaviour in environmental compartments  
No data available

### 12.5 Result of PBT and vPvB assessment

Information related to the product itself :



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According to Annex XIII of Regulation (EC) No. 1907/2006 concerning the Registration , Evaluation , Authorisation and Restriction of Chemicals (REACH) : The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

## 12.6 Other adverse effects

Information related to the product itself :

### Additional ecotoxicological remarks

Product does not contain any organic bound Halogens which could lead to AOX values.

## SECTION 13 : Disposal Considerations

### 13.1 Waste treatment methods

#### Product

Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal

operator and/or the competent Authorities.

#### Uncleaned packaging

Uncontaminated packaging may be reused.

Packaging material which can not be cleaned is to disposed of in the same way as the substance.

## SECTION 14 : Transport information

### Section 14.1 to 14.5

<b>ADR</b>	Not restricted
<b>ADN</b>	Not restricted
<b>RID</b>	Not restricted
<b>IATA</b>	Not restricted
<b>IMDG</b>	Not restricted

### 14.6 Special precautions for user

Keep separated from foodstuffs.  
Avoid temperatures below -20°C.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code (International Bulk Chemicals Code)

No Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code foreseen for this substance or mixture.



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## SECTION 15 : Regulatory information

### 15.1 Safety , health and environmental regulations/legislation specific for the substance or mixture

#### Other Regulations

Apart from the data/regulations specified in this chapter , no further information is available concerning safety , health and environment protection.

### 15.2 Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance or for the component substances , contained in this product.

## Section 16 : Other information

Product should be stored , handled and used in accordance with good industrial hygiene practices and in conformity legal regulations. 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 safety requirements. It should thereof not be construed as guaranteeing specific properties.

### Legend

ADN	European agreement concerning the International Carriage of Dangerous Goods by Inland waterways
ADR	European agreement concerning the International Carriage of Dangerous Goods by Road
AOX	Adsorbable organic bound halogens
CAS	Chemical Abstract Service
DMEL	Derived Minimal Effect Level (genotoxic substances)
DNEL	Derived No Effect Level
EC50	Half maximal effective concentration
GHS	Globally Harmonised System
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
MARPOL	International Convention for the Prevention of Pollution from Ships
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOEC	Non Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent , Bioaccumulative , Toxic
PEC	Predicted Environmental Concentration
PNEC	Predicted No Effect Concentration
REACH	Registration ,Evaluation ,Authorisation and Restriction of Chemicals
RID	International Rule for Transport of Dangerous substances by Railway
SVHC	Substances of Very High Concern
vPvB	very Persistent and very Bioaccumulative



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This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Any user of this product is responsible for determining the suitability of M.N Chemical's products for its particular application. Safety Data Sheet providing safety precautions , that should be observed when handling or storing. M.N Chemical's products are available upon request and are provided in compliance with applicable law.

This safety data sheet only contains information relating to safety and does not replace any product information or product specification.