

## Manganese Blue - PW4+PB15 - Oil

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 - Product identifier

Trade name/designation Manganese Blue - PW4+PB15 - Oil  
Chemical name Manganese Blue - PW4+PB15 - Oil  
Product-type Mixture  
UFI: M3EW-1JSW-P00K-NXQ2

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

#### 1.3 - Details of the supplier of the safety data sheet

#### 1.4 - Emergency telephone number

- CHEMTREC, US : +1-800-424-9300 International United States of America

### SECTION 2: Hazards identification

#### 2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1

#### 2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word : Warning

Hazard pictograms



Hazard statements

H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Precautionary statements

P273	Avoid release to the environment.
P391	Collect spillage.
P501	Dispose of contents/container to an appropriate recycling or disposal facility in accordance with local regulation.

EUH-phrases

EUH208	Contains cobalt bis(2-ethylhexanoate) (136-52-7) . May produce an allergic reaction
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#### 2.3 - Other hazards

PBT-substance.

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

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vPvB-substance.

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

### SECTION 3: Composition / information on ingredients

#### 3.1 - Substances

Not applicable

#### 3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
zinc oxide	CAS No. : 1314-13-2 Index No. : 030-013-00-7 EC No. : 215-222-5	30	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Not applicable
cobalt bis(2-ethylhexanoate)	CAS No. : 136-52-7 Index No. : EC No. : 205-250-6	0,0671	Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412 Eye Irrit. 2 - H319 Repr. 1B (H360Fd) - H360Fd Skin Sens. 1A - H317	Not applicable

### SECTION 4: First aid measures

#### 4.1 - Description of first aid measures

Following inhalation

- Provide fresh air.

Following skin contact

- Wash immediately with: Water  
- When in doubt or if symptoms are observed, get medical advice.

After eye contact

- Rinse immediately carefully and thoroughly with eye-bath or water.  
- In case of eye irritation consult an ophthalmologist.

After ingestion

- Rinse mouth thoroughly with water.  
- Do NOT induce vomiting.

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

Symptoms and effects - Following inhalation

- No information available.

Symptoms and effects - Following skin contact

- Can cause a cutaneous irritation

Symptoms and effects - After eye contact

- No information available.

Symptoms and effects - After ingestion

- Get medical advice/attention if you feel unwell.  
- May be fatal if swallowed and enters airways. Entry into the lungs following ingestion or vomiting may cause chemical pneumonia.

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

- Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder

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- Carbon dioxide (CO2)
- Foam
- Extinguishing powder

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

Special hazards arising from the substance or mixture - No information available.

### 5.3 - Advice for firefighters

- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Wear a self-contained breathing apparatus and chemical protective clothing.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

- Use personal protection equipment.
- Provide adequate ventilation.

#### For emergency responders

- Wear personal protection equipment (refer to section 8).

### 6.2 - Environmental precautions

- Do not allow to enter into soil/subsoil.
- Do not allow to enter into surface water or drains.
- Retain contaminated washing water and dispose it.

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

#### Methods and material for containment

- No information available.

#### Methods and material for cleaning up

- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

#### Inappropriate techniques

- No information available.

### 6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

## SECTION 7: Handling and storage

### 7.1 - Precautions for safe handling

#### Recommendation

- No special technical protective measures are necessary.

#### Advices on general occupational hygiene

- Avoid contact with skin, eyes and clothes.
- When using do not eat, drink, smoke, sniff.
- Wash hands before breaks and after work.

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

- No information available.

### 7.3 - Specific end use(s)

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- Wash hands thoroughly after handling.

### SECTION 8: Exposure controls/personal protection

#### 8.1 - Control parameters

#### 8.2 - Exposure controls

Appropriate engineering controls

- No information available.

Individual protection measures, such as personal protective equipment

- Protective gloves

- Suitable protective clothing: Protective apron

- Eye protection



Environmental exposure controls

- Do not dispose in the environment

### SECTION 9: Physical and chemical properties

#### 9.1 - Information on basic physical and chemical properties

<u>Physical state</u> <u>Colour</u>	<u>Liquid</u> <u>blue</u>	<u>Appearance</u> <u>Odour</u>	<u>Liquid</u> <u>characteristic</u>
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		No data available	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		No data available	
Solubility (Water)		No data available	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	

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Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

### Particle characteristics

Particle size	No data available
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### 9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available

## SECTION 10: Stability and reactivity

### 10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

### 10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

### 10.4 - Conditions to avoid

- No information available.

### 10.5 - Incompatible materials

- No information available.

### 10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

## SECTION 11: Toxicological information

### 11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

#### Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- Based on available data, the classification criteria are not met.

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<u>Skin corrosion/irritation</u>	- Not classified
	- Based on available data, the classification criteria are not met.
<u>Serious eye damage/eye irritation</u>	- Not classified
	- Based on available data, the classification criteria are not met.
<u>Respiratory or skin sensitisation</u>	- Not classified
	- Based on available data, the classification criteria are not met.
<u>Germ cell mutagenicity</u>	- Not classified
	- Based on available data, the classification criteria are not met.
<u>Carcinogenicity</u>	- Not classified
	- Based on available data, the classification criteria are not met.
<u>Reproductive toxicity</u>	- Not classified
	- Based on available data, the classification criteria are not met.
<u>STOT-single exposure</u>	- Not classified
	- Based on available data, the classification criteria are not met.
<u>STOT-repeated exposure</u>	- Not classified
	- Based on available data, the classification criteria are not met.
<u>Aspiration hazard</u>	- Not classified

### 11.2 - Information on other hazards

## SECTION 12: Ecological information

### 12.1 - Toxicity

#### Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

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

### 12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

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- non-biodegradable

### 12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

### 12.4 - Mobility in soil

- No information available.

### 12.5 - Results of PBT and vPvB assessment

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

### 12.6 - Endocrine disrupting properties

### 12.7 - Other adverse effects

- Harmful to aquatic life with long lasting effects.

- Discharge into the environment must be avoided.

## SECTION 13: Disposal considerations

### 13.1 - Waste treatment methods

<u>Waste treatment methods</u>	<ul style="list-style-type: none"> <li>- Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.</li> <li>- Dispose of waste according to applicable legislation.</li> <li>- Handle contaminated packages in the same way as the substance itself.</li> </ul>
<u>Sewage disposal</u>	<ul style="list-style-type: none"> <li>- Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.</li> <li>- Do not allow run-off from fire-fighting to enter drains or water courses.</li> </ul>
<u>Special precautions for waste treatment</u>	<ul style="list-style-type: none"> <li>- Consult the appropriate local waste disposal expert about waste disposal.</li> </ul>
<u>Community or national or regional provisions</u>	<ul style="list-style-type: none"> <li>- No information available.</li> </ul>

## SECTION 14: Transport information

### 14.1 - UN number or ID number

Not applicable

### 14.2 - UN proper shipping name

Not applicable

### 14.3 - Transport hazard class(es)

Not applicable

### 14.4 - Packing group

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Not applicable

14.5 - Environmental hazards

Not applicable

14.6 - Special precautions for user

Not applicable

14.7 - Maritime transport in bulk according to IMO instruments

Not applicable

### SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content No data available

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

### SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	27/02/2023	Tahina Rakotonirainy	

Texts of the regulatory sentences

Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Eye Irrit. 2	Eye irritation - Category 2
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H360Fd(L)	May damage fertility. Suspected of damaging the unborn child.
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
Repr. 1B (H360Fd)	Reproductive toxicity - Category 1B (H360Fd)
Skin Sens. 1A	Skin sensitization - Category 1A

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