



## BLUE BORDO DG

Preparation Date 02-Nov-2017

Revision date 02-Nov-2017

Revision Number: 1

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Identification of the product

Product code FAP02  
Product Description: BLUE BORDO DG  
Synonyms -  
Pure substance/preparation Preparation

#### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended use Fungicides

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

Supplier UPL ITALIA SRL  
Via Terni, 275  
47522 - S. Carlo di Cesena (FC)  
tel. : 0547/661523  
fax : 0547/661450  
E-mail address info@uplitalia.com

#### 1.4 Emergency Telephone Number

Emergency telephone number **(CARECHEM 24): +44 (0) 1235 239670**  
Italy Poison Center, Milan (IT): +39 02 6610 1029

## 2. Hazards Identification

### 2.1 Classification of the mixture

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

Serious Eye Damage/Irritation	Category 1 - H318
Acute aquatic toxicity	Category 1 - H400
Chronic aquatic toxicity	Category 1 - H410

For the full text of the H-Statements mentioned in this Section, see Section 16

### 2.2 Label elements

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



Signal Word

**DANGER**

#### Hazard Statements

H318 - Causes serious eye damage

H410 - Very toxic to aquatic life with long lasting effects

#### Precautionary Statements - EU (§28, 1272/2008)

P102 - Keep out of reach of children

P270 - Do not eat, drink or smoke when using this product

P280 - Wear protective gloves/eye protection/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P391 - Collect spillage

P501 - Dispose of contents/ container in accordance with national regulation

#### EU Specific Hazard Statements

EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

### 2.3 Other Hazards

No information available

### 3. Composition/information on Ingredients

#### 3.2. MIXTURES

Chemical name	EC No	CAS-No	Weight %	Classification (Dir.67/548)	EU - GHS Substance Classification	REACH No.
Bordeaux Mixture (Metal Copper*)	-	8011-63-0	80 - 90	-	Eye Dam. 1 (H318) Acute Tox. 4 (H332) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-

\* Copper (pure active) : 20 %

For the full text of the H-Statements mentioned in this Section, see Section 16

### 4. First aid measures

#### 4.1 Description of first-aid measures

<b>General advice</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes Seek immediate medical attention/advice
<b>Skin contact</b>	Wash off immediately with plenty of water If symptoms persist, call a physician
<b>Ingestion</b>	Rinse mouth with water Call a POISON CENTER or doctor if you feel unwell
<b>Inhalation</b>	Move to fresh air Call a POISON CENTER or doctor if you feel unwell

#### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

No information available

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

Treat symptomatically.

## 5. Fire-fighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** Non-combustible. Use materials appropriate for surrounding fire.

**Unsuitable extinguishing media** No information available

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

**Special Hazard** No information available

### 5.3 Advice for Firefighters

Wear self-contained breathing apparatus and protective suit

## 6. Accidental release measures

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

Evacuate personnel to safe areas

Avoid contact with skin and eyes

Wear protective gloves/protective clothing and eye/face protection

### 6.2 Environmental Precautions

Prevent further leakage or spillage if safe to do so

Do not allow material to contaminate ground water system

Do not flush into surface water or sanitary sewer system

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

Recover the product by sweeping up or vacuuming without raising dust.

Pick up and transfer to properly labelled containers

**7. Handling and Storage**

**7.1 Precautions for Safe Handling**

**Handling**

Provide appropriate exhaust ventilation at places where dust is formed  
 Avoid contact with eyes  
 Wear protective gloves/protective clothing and eye/face protection  
 Ensure that eyewash stations and safety showers are close to the workstation location

**Hygiene Measures**

Use only outdoors or in a well-ventilated area  
 Contaminated work clothing should not be allowed out of the workplace  
 Wash hands thoroughly after handling

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

Keep only in the original container/package in a cool well-ventilated place  
 Keep in a dry place  
 Keep at temperatures below 40 °C

**7.3 Specific end uses**

No information available.

**8. Exposure Controls/Personal Protection**

**8.1 Control Parameters**

<b>Exposure Limits</b>	Apply technical measures to comply with the occupational exposure limits <a href="http://limitvalue.ifa.dguv.de/Webform_gw.aspx">http://limitvalue.ifa.dguv.de/Webform_gw.aspx</a>
<b>Derived No Effect Level (DNEL)</b>	No information available
<b>Predicted No Effect Concentration (PNEC)</b>	No information available

**8.2 Exposure Controls**

**Engineering controls**                      Ensure adequate ventilation, especially in confined areas

**Personal Protective Equipment**

<b>Eye protection</b>	Safety glasses with side-shields.
<b>Skin protection</b>	Long sleeved clothing.
<b>Hand protection</b>	Protective gloves.
<b>Respiratory protection</b>	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

**Environmental exposure controls**      No information available

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Blue	
<b>Physical state</b>	solid	
	water dispersible granule (WG)	
<b>Odor</b>	odorless	
<u>Property</u>	<u>VALUES</u>	<u>Remarks/ Method</u>
<b>pH</b>	6.6	(1% solution)
<b>Melting point/freezing point</b>	No information available	
<b>Boiling Point/Range</b>	Not applicable No information available	
<b>Flash Point</b>	Not required	Not Applicable
<b>Flammability (solid, gas)</b>	Not highly flammable	CE A.10
<b>vapor pressure</b>	Not applied	
<b>Bulk density</b>	0.91 kg/L	
<b>Water solubility</b>	dispersible	
<b>Solubility in Other Solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	228°C	
<b>Decomposition temperature</b>	No information available	
<b>Viscosity</b>	Not required	
<b>Oxidizing properties</b>	Non oxidizing (according to A17 test)	
<b>Explosive properties</b>	According to the chemical structure no explosion reaction is expected	

### 9.2 OTHER INFORMATION

**VOC Content** No information available

## 10. Stability and Reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

Do not store near strong acids  
Do not expose to extreme temperatures.

### 10.5 Incompatible Materials

Strong acids

### 10.6 Hazardous Decomposition Products

Non flammable, decomposition products through pyrolysis: CuO, CaSO<sub>4</sub>, H<sub>2</sub>O.

## 11. Toxicological Information

### 11.1 Information on Toxicological Effects

#### Acute toxicity

##### Local effects

Inhalation	Not required.
Eye contact	Irritating to eyes.
Skin contact	No skin irritation.
Ingestion	Not classified.

LD50 Oral	> 2000 mg/kg (rat)
LD50 Dermal	> 4000 mL/kg (rat)

#### Chronic toxicity

Skin Corrosion/Irritation	No information available.
Sensitization	skin: Did not cause sensitization. (guinea pig).
Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive effects	No information available
STOT - Single Exposure	No information available.
STOT - Repeated Exposure	No information available.

## 12. Ecological Information

### 12.1 Toxicity

EC50/48h/daphnia = 0.86 mg/L (Daphnia magna)

LC50/fish/96 h = > 5.3 mg/L (Oncorhynchus mykiss)

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 12.2 Persistence and Degradability

No information available

### 12.3 Bioaccumulative Potential

No information available

### 12.4 Mobility in Soil

No information available.

### 12.5 Results of PBT and vPvB Assessment

No information available

### 12.6 Other Adverse Effects

No information available.

## 13. Disposal Considerations

### 13.1 Waste Treatment Methods

<b>Waste from Residues/Unused Products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken for local recycling, recovery or waste disposal.
<b>EWC waste disposal No</b>	020108 - agrochemical waste containing dangerous substances.
<b>OTHER INFORMATION</b>	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

## 14. Transport Information

### ADR/RID

<b>14.1 UN-No</b>	UN3077
<b>14.2 Proper shipping name</b>	Environmentally hazardous substance, solid, n.o.s. ( Bordeaux Mixture (Metal Copper) )
<b>14.3 Hazard class</b>	9
<b>14.4 Packing group</b>	III
<b>14.5 Environmental Hazard</b>	DANGEROUS FOR THE ENVIRONMENT
<b>14.6 Special Provisions</b>	274, 335, 375, 601

### IMDG/IMO

<b>14.1 UN-No</b>	UN3077
<b>14.2 Proper shipping name</b>	Environmentally hazardous substances, solid n.o.s. ( Bordeaux Mixture (Metal Copper) )
<b>14.3 Hazard class</b>	9
<b>14.4 Packing group</b>	III
<b>14.5 Environmental Hazard</b>	Marine pollutant
<b>14.6 Special Provisions</b>	274, 335, 966, 967, 969

### IATA/ICAO

<b>14.1 UN-No</b>	UN3077
<b>14.2 Proper shipping name</b>	Environmentally hazardous substances, solid n.o.s. ( Bordeaux Mixture (Metal Copper) )
<b>14.3 Hazard class</b>	9
<b>14.4 Packing group</b>	III
<b>14.5 Environmental Hazard</b>	DANGEROUS FOR THE ENVIRONMENT
<b>14.6 Special Provisions</b>	A97, A158, A179, A197

## 15. Regulatory Information

### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

- To avoid risks to man and the environment, comply with the instructions for use

#### International Inventories

TSCA	Present
EINECS/ ELINCS	Present
DSL/NDSL	Present
PICCS	Present
ENCS	Present
China	-
AICS	Present
KECL	Present

#### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

## 16. Other Information

#### **Full text of H-Statements referred to under sections 2 and 3**

H318 - Causes serious eye damage

H332 - Harmful if inhaled

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

**Revision date** 02-Nov-2017

**Revision note** Not applicable

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

#### **Disclaimer**

The information contained is based on our knowledge of the product at the date of publishing.

It applies to the PRODUCT AS SUCH. In case of formulation or mixture, make sure that a new danger will not appear.

Users are advised of possible additional hazards when the product is used in applications for which it was not intended.

This sheet shall only be used and duplicated for prevention and Safety purposes.

For rates and use recommendations, refer to the information displayed on the packaging.

It is the responsibility of the handlers of the product to pass on this safety data sheet to any subsequent persons who will come into contact with the product.

**End of Safety Data Sheet**