

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date: 09.04.2021

Version number 3

Revision: 09.04.2021

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

**1.1 Product identifier****Trade name:** MURAL**Formulation:** Soluble concentrate - SL**Active ingredient:** Dicamba (DMA salt)**Chemical family:** Benzoic acid**CAS Number:**

Dicamba: 1918-00-9

Dicamba DMA salt: 2300-66-5

**UFI:** 99AH-XA8W-X30U-1V2**1.2 Relevant identified uses of the substance or mixture and uses advised against****Sector of Use** SU1 Agriculture, forestry, fishery**Product category** PC27 Plant protection products**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Galenika-Fitofarmacija AD

Batajnicki drum bb

11080 Zemun, Belgrade

tel: + 381 (11) 3072-301

fax: + 381 (11) 3072 310

e-mail: office@fitofarmacija.rs

**1.4 Emergency telephone number:**

Poison Control Center Military Medical Academy

Crnotravska 17, Belgrade, Serbia

tel: + 381 (11) 3608-440, 00-24h

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**

GHS05 GHS09

**Signal word** Danger**Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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

(Contd. on page 2)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date: 09.04.2021

Version number 3

Revision: 09.04.2021

**Trade name: MURAL**

(Contd. of page 1)

- P280 *Wear protective gloves / eye protection / face protection.*
- P302+P352 *IF ON SKIN: Wash with plenty of water.*
- P310 *Immediately call a POISON CENTER/doctor.*
- P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
- P332+P313 *If skin irritation occurs: Get medical advice/attention.*
- P362 *Take off contaminated clothing.*
- P405 *Store locked up.*

**Additional information:**

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

**Standard phrases for safety precautions**

*SP 1 Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).*

**Safety precautions related to the environment (SPe):**

*SPe 3 To protect non-target plants respect an unsprayed buffer zone of 5 m to non-agricultural land.*

**2.3 Other hazards****Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**3.1 Chemical characterisation: Substance** Not applicable.

**3.2 Chemical characterisation: Mixtures**

**Dangerous components:**

CAS: 2300-66-5 EINECS: 218-951-7 Index number: 607-044-00-5	3,6-dichloro-o-anisic acid, compound with dimethylamine (1:1) Eye Irrit. 2, H319; Aquatic Chronic 3, H412	25-50%
	Betaines, C12-14(even numbered)-alkildimethyl Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Chronic 3, H412	< 3%

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

**4.1 Description of first aid measures**

**General information:** If you feel unwell, seek medical care.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:**

*Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.*

**After swallowing:** If symptoms persist consult doctor.

**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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

*There is no specific antidote available. Treat symptomatically.*

(Contd. on page 3)

## **Safety data sheet**

**according to 1907/2006/EC, Article 31**

Printing date: 09.04.2021

Version number 3

Revision: 09.04.2021

**Trade name: MURAL**

(Contd. of page 2)

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing agents:**

Alcohol resistant foam

Dry chemicals, carbon dioxide, water

Use fire extinguishing methods suitable to surrounding conditions.

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

Hydrogen chloride (HCl)

Nitrogen oxides (NO<sub>x</sub>)

#### **5.3 Advice for firefighters**

**Protective equipment:** Wear fully protective suit and self-contained respiratory protective device.

### **SECTION 6: Accidental release measures**

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

Keep people at a distance and stay on the windward side.

#### **6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

#### **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### **SECTION 7: Handling and storage**

#### **7.1 Precautions for safe handling**

Store in cool, dry place in tightly closed receptacles.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

**Information about fire - and explosion protection:** No special measures required.

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

##### **Storage:**

Keep in a cool, dry place in tightly closed original containers. Keep away from foodstuffs, beverages and feed.

Keep away from children.

Store in a dry and cool place in original packaging.

**Requirements to be met by storerooms and receptacles:** No special requirements.

##### **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store in a dry place, away from direct sunlight, heat and incompatible materials.

**Further information about storage conditions:** Keep container tightly sealed.

#### **7.3 Specific end use(s)** No further relevant information available.

(Contd. on page 4)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date: 09.04.2021

Version number 3

Revision: 09.04.2021

Trade name: MURAL

(Contd. of page 3)

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

**Additional information about design of technical facilities:** No further data; see item 7.

#### **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists valid during the making were used as basis.

#### 8.2 Exposure controls

##### **Personal protective equipment:**

##### **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

##### **Respiratory protection:**



Suitable respiratory protective device recommended.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

##### **Protection of hands:**



Protective gloves

##### **Material of gloves**

The selection of suitable gloves in accordance to EN 374.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

##### **Eye protection:**



Tightly sealed goggles

##### **Body protection:**

**Protective suit** Use chemical resistant protective suit.

**Environmental exposure controls** No special precautions required.

### SECTION 9: Physical and chemical properties

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

##### **General Information**

##### **Appearance:**

**Form:** Liquid

(Contd. on page 5)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date: 09.04.2021

Version number 3

Revision: 09.04.2021

**Trade name: MURAL**

(Contd. of page 4)

<b>Colour:</b>	Yellow
<b>Odour:</b>	Uncharacteristic.
<b>Odour threshold:</b>	Not determined.
<b>pH-value:</b>	5-9 (CIPAC MT 75)
<b>Melting point/freezing point:</b>	Not determined.
<b>Initial boiling point and boiling range:</b>	>100 °C
<b>Flash point:</b>	>100 °C (CIPAC MT 12)
<b>Flammability (solid, gas):</b>	No data available.
<b>Ignition temperature:</b>	Undetermined.
<b>Decomposition temperature:</b>	Not determined.
<b>Auto-ignition temperature:</b>	Product is not selfigniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	Data lacking.
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Oxidising properties</b>	Data lacking.
<b>Vapour pressure:</b>	Data lacking.
<b>Density:</b>	Not determined.
<b>Relative density at 20 °C</b>	1.165
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with water:</b>	Data lacking. Not miscible or difficult to mix.
<b>Partition coefficient: n-octanol/water:</b>	Not determined.
<b>Viscosity:</b>	Data lacking.
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- 10.1 Reactivity** Hazardous polymerisation does not occur.
- 10.2 Chemical stability** Stable under normal handling and storage conditions.
- Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions** No dangerous reactions known.
- 10.4 Conditions to avoid** Source of ignition, heat, fire, high humidity, sparks.
- 10.5 Incompatible materials:** No further relevant information available.
- 10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- 11.1 Information on toxicological effects**  
Acute toxicity Based on available data, the classification criteria are not met.

**LD/LC50 values relevant for classification:**

**CAS: 1918-00-9 Dicamba**

Oral	LD50	1,581 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)

(Contd. on page 6)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date: 09.04.2021

Version number 3

Revision: 09.04.2021

**Trade name: MURAL**

(Contd. of page 5)

Inhalative	LC50/4 h	4.46 mg/l (Rat)
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**Primary irritant effect:****Skin corrosion/irritation:**

Causes skin irritation.

**Serious eye damage/eye irritation:**

Causes serious eye damage.

**Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.**Subacute to chronic toxicity:****Repeated dose toxicity****Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

**12.1 Toxicity****Aquatic toxicity:****DETEKTOR**

EC50 &gt; 100 mg/l (Alga)

&gt; 100 mg/l (Daphnia magna)

**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**Ecotoxicological effects:****Remark:** Harmful to fish**Additional ecological information:****General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods****Recommendation**

Disposal must be made according to official local regulation.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packaging:****Recommendation:** Disposal must be made according to national official regulations.

(Contd. on page 7)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

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**Trade name: MURAL**

(Contd. of page 6)

### SECTION 14: Transport information

<b>14.1 UN-Number</b>	UN3082
<b>ADR/RID/ADN, IMDG, IATA</b>	
<b>14.2 UN proper shipping name</b>	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
<b>ADR/RID/ADN, IMDG, IATA</b>	LIQUID, N.O.S. (Dicamba)
<b>14.3 Transport hazard class(es)</b>	
<b>ADR/RID/ADN, IMDG, IATA</b>	
	
<b>Class</b>	9 Miscellaneous dangerous substances and articles.
<b>Label</b>	9
<b>14.4 Packing group</b>	III
<b>ADR/RID/ADN, IATA</b>	
<b>IMDG</b>	-
<b>14.5 Environmental hazards:</b>	Environmentally hazardous substance, liquid
<b>Marine pollutant:</b>	Symbol (fish and tree)
<b>Special marking (ADR/RID/ADN):</b>	Symbol (fish and tree)
<b>Special marking (IATA):</b>	Symbol (fish and tree)
<b>14.6 Special precautions for user</b>	Warning: Miscellaneous dangerous substances and articles.
<b>Hazard identification number (Kemler code):</b>	90
<b>EMS Number:</b>	F-A,S-F
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.
<b>Transport/Additional information:</b>	
<b>ADR/RID/ADN</b>	
<b>Limited quantities (LQ)</b>	5 L
<b>Transport category</b>	3
<b>Tunnel restriction code</b>	E
<b>IMDG</b>	
<b>Remarks:</b>	Exempted from ADR + LQ (UN3077 + 3082 Class 9) according to extra provision ADR SV375 as of 01.01.15. "375. These substances when carried in single or combination packaging containing net quantity per single or inner packaging of 5 lit or less for liquids having a nett mass per single or inner packaging of 5KG or less for solids, are not subject to any other provisions."
<b>UN "Model Regulation":</b>	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

(Contd. on page 8)

## **Safety data sheet** according to 1907/2006/EC, Article 31

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(Contd. of page 7)

### **SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.  
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

**Directive 2012/18/EU****REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### **SECTION 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.*

**Hazard phrases:***H314 Causes severe skin burns and eye damage.**H318 Causes serious eye damage.**H319 Causes serious eye irritation.**H412 Harmful to aquatic life with long lasting effects.***Abbreviations and acronyms:***ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)**IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**GHS: Globally Harmonised System**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Skin Corr. 1B: Skin corrosion/irritation – Category 1B**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2**Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*