



**SAFETY DATA SHEET**

**BAZNAT 480 SL**

SDS/GHS/ISR/V1.0

Issue date: 31.01.22

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**Product identifiers**

Product name: BAZNAT 480 SL  
Chemical name: Bentazone (bendioxide)  
CAS No.: contains CAS 25057-89-0

**Relevant identified uses of the substance or mixture and uses advised against**

Identified uses: Plant protection product for Agricultural use

**Details of the supplier of the safety data sheet**

Supplier: Almandine Corporation SA  
Gotthardstrasse 3  
6300 Zug  
Switzerland  
Tel: +44 20 8995 8391 (UK office)  
Fax: +44 20 8995 7639  
Email: [almuk@almandine.com](mailto:almuk@almandine.com)

Formulator: Zhangjiagang United Chemical Factory,  
Zhangjiagang city,  
China

**Emergency telephone number**

Tel: +44 20 8995 8391 (SDS support, 9.00-5.00 pm; Mon-Fri,UK)

**SECTION 2: HAZARDS IDENTIFICATION**

Skin sens 1  
Eye irrit. 2  
Aq chronic 3



**Pictogram(s):**

**Signal word:** Warning

**Hazard statement(s):**

H317: May cause an allergic skin reaction  
H319: Causes serious eye irritation  
H412: Harmful to aquatic life with long lasting effects

**Precautionary statement(s):**

P280: Wear protective gloves/ protective clothing.  
P302 + P352; IF ON SKIN: Wash with plenty of water/ soap.  
P332 + P313: IF skin irritation occurs: Get medical advice/ attention.  
P308 + P313: IF exposed or concerned: Get medical advice/ attention.  
P273: Avoid release to the environment  
P501 Dispose of contents/container in accordance with local/national regulations

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Name	CAS No	Conc (%)	H Statement(s)
Bentazone	25057-89-0	45	H302, H317, H319, H412
Sodium hydroxide	1310-73-2	>1 - <10	H314

**SECTION 4: FIRST AID MEASURES**

<b>Skin contact:</b>	Remove all contaminated clothes and footwear immediately. Wash skin immediately with plenty of soap and water. Contaminated leather clothing must be destroyed.
<b>Eye contact:</b>	Rinse eyes with water for 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. If symptoms persist, seek medical advice.
<b>Ingestion:</b>	Wash out mouth with water. Do not induce vomiting unless instructed to do so by a doctor. Seek medical advice if concerned.
<b>Inhalation:</b>	Move person to fresh air and keep comfortable for breathing. Seek medical advice if concerned.
<b>Treatment:</b>	No specific antidote. Treat symptomatically.

**SECTION 5: FIRE FIGHTING MEASURES**

<b>Extinguishing media:</b>	Water fog, fine water spray, foam, dry chemical, carbon dioxide. Do not use water jet.
<b>Exposure hazards:</b>	On combustion, may emit toxic fumes of SO <sub>x</sub> , NO <sub>x</sub> , CO..
<b>Advice for fire-fighters:</b>	Wear self-contained breathing apparatus and full protective clothing must be worn.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions:</b>	Wear PPE as recommended in section 8. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid contact with spilled material or contaminated surfaces. Keep people and animals away.
<b>Environmental precautions:</b>	Prevent product from entering drains or water courses. Warn the local water authority if water-courses become contaminated.
<b>Clean-up methods:</b>	Contain spill and absorb with earth, sand, clay, or other absorbent material, collect and store in sealed drums for safe disposal. Decontaminate the area and equipment by washing areas with water. Keep in suitable, closed containers for disposal. Contaminated extinguishing water must be disposed of in accordance with official regulations.



## SECTION 7: HANDLING AND STORAGE

- Handling:** Keep out of sight and reach of children. Avoid contact with skin, eyes and clothing. May irritate skin. Avoid breathing vapour or spray. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.
- Storage:** Store in the closed original container, in a cool, dry, well-ventilated area, away from direct sunlight and sources of ignition. Store between 0°C and 30°C.
- Incompatibility:** Incompatible with acids.
- Flammability:** Not flammable under normal conditions of use. The product does not sustain combustion.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- Occupational Exposure limits:** None set for the ingredients.
- Exposure controls:** Use only in well-ventilated areas. If necessary, use local exhaust ventilation to keep airborne concentration below exposure limits.
- Personal protective equipment:** Wear face shield or goggles.  
Wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, heavy-duty shoes or boots.  
Wear elbow length nitrile or neoprene rubber gloves.  
If working in a poorly ventilated area or if occupational exposure levels are likely to be exceeded, wear a respirator with filter for vapours.  
After each day's use, wash gloves, goggles or face shield, respirator if worn, and contaminated clothing.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- |   |                              |
|---|------------------------------|
| a) Appearance:                                      | Yellow-brown liquid          |
| b) Odour:   | Slight/mild                  |
| c) Odour threshold:                                 | none set                     |
| d) pH:  | 7.5 – 9                      |
| e) Melting point/freezing point:                    | not determined               |
| f) Boiling point/boiling range:                     | not determined               |
| g) Flash-point:                                     | Does not flash               |
| h) Evaporation rate:                                | not determined               |
| i) Flammability (solid/gas):                        | Not flammable                |
| j) Upper/lower flammability<br>or explosive limits: | not applicable               |
| k) Vapour pressure:                                 | 0.17 mPa (tech.)             |
| l) Vapour density:                                  | not determined               |
| m) Relative density:                                | 1.2-1.26 mg/mL               |
| n) Solubility:                                      | 7.7 g/L (water, 20°C; tech.) |
| o) Partition coefficient:                           | Log P <sub>ow</sub> -0.46    |
| p) Auto-ignition temperature:                       | not determined               |
| q) Decomposition temperature:                       | not determined               |
| r) Viscosity:                                       | 22 mPa.s                     |



- s) Explosive properties: Not explosive  
t) Oxidising properties: Not an oxidiser

#### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions of use. Will not polymerise.
<b>Chemical stability</b>	The product is stable if stored and handled as prescribed /indicated.
<b>Possibility of hazardous reactions</b>	No hazardous reactions when stored and handled according to instructions.
<b>Conditions to avoid</b>	Extremes of temperature, direct sunlight.
<b>Incompatible materials</b>	Strong acids and bases.
<b>Hazardous decomposition Products:</b>	Does not decompose at ambient temperature. Combustion or thermal decomposition will evolve toxic and irritant vapours.

#### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Oral toxicity:</b>	LD <sub>50</sub> rat: >2000- 5000 mg/kg (GHS Cat 5)
<b>Dermal toxicity:</b>	LD <sub>50</sub> rat: >2000-5000 mg/kg (GHS Cat 5)
<b>Inhalation toxicity:</b>	LC <sub>50</sub> rat 4 h >4.85 mg/L
<b>Skin irritation:</b>	Mild irritant (insufficient for classification)
<b>Eye irritation:</b>	Irritant
<b>Skin sensitisation:</b>	Skin sensitiser

No developmental toxicity and no reproductive toxicity observed.  
Not mutagenic or genotoxic *in vivo* or *in vitro*.  
No evidence of carcinogenicity or mutagenicity based on laboratory studies.

#### SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity** (technical material)

<b>Fish toxicity:</b>	LC <sub>50</sub> Rainbow trout 96h	>100 mg/L
<b>Daphnia toxicity:</b>	LC <sub>50</sub> <i>Daphnia magna</i> 48h	>500 mg/L
<b>Algal toxicity:</b>	EC <sub>50</sub> Green algae, 72 h:	11.1 mg/L

**Other:**  
**Aquatic plant toxicity:** EC<sub>10</sub> *Lemna Gibba* 7d growth inhibition: 3.2 mg/L

Does not bioaccumulate, not rapidly biodegradable, mobile in soil  
Not classified as PBT/vPVP

#### SECTION 13: DISPOSAL CONSIDERATIONS



**Waste treatment methods**

- Product:** Dispose of waste product through an official waste contractor.  
Obtain advice from local waste regulation authority.
- Contaminated packaging:** Triple- or pressure-rinse containers before disposal. Add rinsings to spray tank.  
Do not dispose of undiluted chemicals on-site.  
Do not burn empty containers. Recycle, or return to supplier through local schemes if applicable. Disposal should be in accordance with local, state or national legislation.

**SECTION 14: TRANSPORTATION INFORMATION**

- UN number:** 3082
- UN Proper Shipping Name:** Environmentally hazardous substance, liquid, N.O.S.  
(contains Bentazone)
- Transport hazard class:** ADR/RID: 9      IMDG: 9      IATA: 9  
**Subsidiary risk:** None
- Packaging group:** ADR/RID: III      IMDG: III      IATA: III
- Environmental hazard:** ADR/RID: Yes      IMDG: Marine pollutant: No      IATA: Yes

**SECTION 15: REGULATORY INFORMATION**

No additional regulatory information required for this product.

**SECTION 16: OTHER INFORMATION**

**H statements in full:**

- H302: Harmful if swallowed  
H314: Causes severe skin burns and eye damage  
H317: May cause an allergic skin reaction  
H319: Causes severe eye irritation  
H412: Harmful to aquatic life with long lasting effects

No liability is accepted for any injury, loss, damage or cost arising directly or indirectly from the use of the product or from the use of information contained within the safety data sheet since the customer's handling of the product is necessarily beyond our control. The supplied data are based on current knowledge and experience. This safety data sheet is intended to describe our product in terms of safety requirements. The customer should determine by appropriate trials that the product is suitable for his intended use.

Classification according to GHS Guidelines.  
Sections 9, 11 and 12 based on available EU and Almandine SA Corporation data  
Self-classification of mixture