



Benta Super

Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 11/09/2017

Version: 0.0/CA (eng)

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

1.1. Product identifier

Trade name : Benta Super
Name : Bentazone 48% SL
Product code : SHA 0900 A
Registration # : 32827

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

1.2.1. Relevant identified uses

Main use category : Herbicide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Sharda Cropchem Ltd. (formerly known as Sharda Worldwide Exports Pvt. Ltd.)
Domnic Holm, 29th Road, Bandra (West)
400050 Mumbai - India
T + 91 22 6261 5615 - F + 91 22 6678 2828
regn@shardaintl.com

1.4. Emergency telephone number

Emergency number : +91 22 6678 2800 (08-16h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4 H302

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning

Hazardous ingredients : bentazone (ISO), 3-isopropyl-2,1,3-benzothiadiazine-4-one-2,2-dioxide

Hazard statements (CLP) : H302 - Harmful if swallowed
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) : P264 - Wash hands thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P280 - Wear protective gloves, protective clothing
P301+P312 - IF SWALLOWED: Call a doctor, a POISON CENTER if you feel unwell
P330 - Rinse mouth
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

EUH-statements : EUH208 - Contains bentazone (25057-89-0). May produce an allergic reaction
EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

2.3. Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|------|--|
| bentazone (ISO), 3-isopropyl-2,1,3-benzothiadiazine-4-one-2,2-dioxide | (CAS-No.) 25057-89-0 (EC-No.) 246-585-8 (EC Index-No.) 613-012-00-1 | 40.5 | Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. If not breathing, give artificial respiration. Call a doctor.
- First-aid measures after skin contact : Remove contaminated clothes. After contact with skin, wash immediately and thoroughly with water and soap.
- First-aid measures after eye contact : Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.
- First-aid measures after ingestion : Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : In case of fire and/or explosion do not breathe fumes.
- Reactivity in case of fire : Product is not explosive.
- Hazardous decomposition products in case of fire : Carbon monoxide. Nitrogen oxides. Carbon dioxide. Toxic fumes may be released.

5.3. Advice for firefighters

- Precautionary measures fire : Keep container tightly closed and away from heat, sparks and flame. Keep away from combustible materials.
- Firefighting instructions : Appropriate self-contained breathing apparatus may be required. Get the package away from the fire if this can be done without risk. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Wear fire/flame resistant/retardant clothing. Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : Do not allow material to contaminate surface water system.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Chemical resistant gloves (according to European standard NF EN 374 or equivalent). EN 166. Wear eye protection. Personal protective equipment. EN ISO 20345.
- Emergency procedures : Evacuate personnel to a safe area.

6.1.2. For emergency responders

- Protective equipment : Wear suitable hand, body and head protection.

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6.2. Environmental precautions

Danger of pollution of drinking water when product enters the soil. Do not allow run-off from fire fighting to enter drains or water courses. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Label the container and provide warning statements to prevent any contact.
- Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Clean spills promptly. Wash contaminated area with large amounts of water.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Do not allow run-off from fire fighting to enter drains or water courses. 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).
- Precautions for safe handling : Avoid contact with skin and eyes. Do not eat, drink or smoke in areas where product is used. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Remove contaminated clothing and shoes. Wash clothing and equipment after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ensure adequate ventilation, especially in confined areas. Store locked up.
- Storage conditions : Keep only in original container. Store in a dry place. Store in a closed container. Store in a well-ventilated place. Protect from sunlight.
- Storage temperature : 0 - 30 °C
- Packaging materials : Keep only in the original container in a cool, well-ventilated place away from combustible materials.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection:

Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

Eye protection:

EN 166. Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles

Skin and body protection:

Long sleeved protective clothing

Respiratory protection:

Extra personal protection: P2 filter respirator for harmful particles. Extra personal protection: P3 filter respirator for toxic particles

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : clear. Oily.
- Colour : dark yellow.
- Odour : Varnish.
- Odour threshold : No data available
- pH (1 % Aqueous solution) : 7.22
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : 100 °C

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| | |
|----------------------------------|-----------------------|
| Flash point | : > 100 °C |
| Auto-ignition temperature | : > 400 °C |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : 1.1861 |
| Solubility | : No data available |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : 8.501 mPa.s (40 °C) |
| Explosive properties | : Not explosive. |
| Oxidising properties | : Not oxidising. |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

10.4. Conditions to avoid

Heat. High temperature. Open flame. Direct sunlight.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|-------------------------|
| Acute toxicity (oral) | : Harmful if swallowed. |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| SHARDA BENTAZONE 480 | |
|----------------------------|-------------------------|
| LD50 oral rat | 2000 mg/kg bodyweight |
| LD50 dermal rat | > 2000 mg/kg bodyweight |
| LC50 inhalation rat (mg/l) | > 5.092 mg/l/4h |

| | |
|-----------------------------------|--|
| Skin corrosion/irritation | : Not irritating |
| Serious eye damage/irritation | : Not irritating |
| Respiratory or skin sensitisation | : This product does not cause skin sensitization |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|------------------------|------------------|
| Acute aquatic toxicity | : Not classified |
|------------------------|------------------|

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Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

| bentazone (ISO), 3-isopropyl-2,1,3-benzothiadiazine-4-one-2,2-dioxide (25057-89-0) | |
|---|--|
| LC50 fish 1 | > 100 mg/l (96 h, Oncorhynchus mykiss) |
| EC50 Daphnia 1 | > 100 mg/l (48 h, Daphnia magna) |
| EC50 72h algae (1) | 33.3 mg/l (72 h, Pseudokirch subcap.) |
| ErC50 (other aquatic plants) | 12 mg/l (7 d, Lemna gibba) |

12.2. Persistence and degradability

| bentazone (ISO), 3-isopropyl-2,1,3-benzothiadiazine-4-one-2,2-dioxide (25057-89-0) | |
|---|------------------|
| Persistence and degradability | Not established. |

12.3. Bioaccumulative potential

| bentazone (ISO), 3-isopropyl-2,1,3-benzothiadiazine-4-one-2,2-dioxide (25057-89-0) | |
|---|---------------------|
| Log Pow | -0.94 (pH 7, 20 °C) |

12.4. Mobility in soil

| SHARDA BENTAZONE 480 | |
|-----------------------------|-----------|
| Surface tension | 46.94 N/m |

| bentazone (ISO), 3-isopropyl-2,1,3-benzothiadiazine-4-one-2,2-dioxide (25057-89-0) | |
|---|--------------|
| Surface tension | 70 mN/m (2%) |

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Product/Packaging disposal recommendations : Avoid release to the environment. Disposal must be done according to official regulations. Do not dispose of the packaging without first carrying out the necessary cleaning. Refer to manufacturer/supplier for information on recovery/recycling.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR | IMDG | IATA | ADN | RID |
|---|----------------|----------------|----------------|----------------|
| 14.1. UN number | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.2. UN proper shipping name | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available | | | | |

14.6. Special precautions for user

- Overland transport

Transport regulations (TDG) : Not regulated by TDG when transported solely on land by road or railway vehicle.

Transport regulations : Not Regulated

- Transport by sea

Not applicable

- Air transport

Not applicable

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- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations : according to Regulation (EU) 2015/830.

15.1.2. National regulations

Refer to protective measures listed in Sections 7 and 8

15.2. Chemical safety assessment

Refer to protective measures listed in Sections 7 and 8

SECTION 16: Other information

Full text of H- and EUH-statements:

| | |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1A |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H412 | Harmful to aquatic life with long lasting effects |
| EUH208 | Contains bentazone (25057-89-0). May produce an allergic reaction |
| EUH401 | To avoid risks to human health and the environment, comply with the instructions for use |

Other data

Date of issue: 11/09/2017
Version: 0.0/CA (eng)
Replaces: —
Indication of changes: —

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product