

## Safety Data Sheet (reference Regulation EU 453/2010)

**BENTA 480 SL****01 Identification of the substance/preparation and of the company/undertaking****1.1 Product identifier**

Trade name: Benta 480 SL

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

Relevant identified uses: herbicide for agricultural use

**1.3 Details of the supplier of the Safety Data Sheet**

1.3.1 Supplier: **Sharda Cropchem Limited**  
(formerly known as Sharda Worldwide Exports Pvt. Ltd.)  
Domnic Holm  
29<sup>th</sup> Road, Bandra (West) Mumbai – 400050, India  
Tel: + 91 22 6678 2800  
Fax: + 91 22 6678 2828  
e-mail: reg@shardaintl.com

1.3.2 Responsible: Mr. Ashish R. Bubna  
e-mail: reg@shardaintl.com

1.4 Emergency telephone no.: + 91 22 6678 2800 (08-16h)

**02 Hazard identification****2.1 Classification of the mixture**

2.1.1. According to Regulation (EC) No. 1272/2008:

Acute Tox. 1; H302  
Aquatic Chronic 1; H412

2.1.2. Classification according to Directive 1999/45/EU and Directive 67/548/EEC:

Xn – Harmful

Xn; R22  
R52/53

**2.2 Label elements**

2.2.1. Labelling according to Regulation (EC) No. 1272/2008:

GHS07



Hazard Pictograms:

Signal Word: Warning

Hazard statements: H302, H412

Precautionary statement: P264, P270, P273, P280, P301+P312, P330, P501

List of Full Text of H-, P-statements and R, S phrases under Section 16.

### 03 Composition/information on ingredients

#### 3.1 Substances

Not applicable

#### 3.2 Mixtures:

Hazardous ingredients, their concentration in the mixture:

Chemical name	CAS number	EC Number	REACH registration number	Conc. % w/w	Classification				
					Traditional		CLP Classification		
					Hazard symbol	R phrase	Hazard pict.	Hazard cat.	H phrase
Bentazone	25057-89-0	246-585-8	-	40.5	Xn	R22 R36 R43 R52/53	GHS07 Wng	Acute Tox. 4; Skin Sens. 1; Eye Irrit. 2; Aquatic Chronic 3;	H302 H317 H319 H412

### 04 First aid measures

#### 4.1 Description of first aid measures

General advice	Always bring the original product container, label and safety data sheet with you when calling the emergency number or visiting a doctor for treatment.
Inhalation	Move exposed person to fresh air. If breathing is irregular or stopped, give an artificial respiration and call immediately a doctor.
Skin contact	Remove contaminated clothes immediately and wash with water.
Eye contact	Wash contaminated eyes immediately under flowing water for at least 15 minutes while holding eyelids open.
Ingestion	Wash out of mouth immediately with water and contact local emergency. Never give anything to mouth to an unconscious person.

### 05 Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media: Water spray (not splash), dry extinguishing powder, foam, carbon dioxide

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

Hazardous combustion products: CO, NO<sub>x</sub>, SO<sub>x</sub> can be released

#### 5.3 Advice for firefighters

Wear self-contained breathing apparatus and a special tightly suit. Do not release chemically contaminated water into drains, soil and surface waters. Disposal according to the local regulations. Cool closed container exposed to fire with water.

## 06 Accidental release measures

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

For non-emergency personnel In an emergency respiratory protection must be worn. Wear eye protection, hand protection and full body protection.

Protective equipment Use personal protective equipment. Wear nitrile gloves (EN 374), eye protection/full face protection (EC EN 166 "3"), respirator EC EN 141 and 143 (half) or EN 166 (full) - with A2P3 cartridge and boots (EC EN 20 345 or EC EN 13 832).

Emergency procedures Evacuate area in case of emergency.

For emergency responders Depending on the risk, wear a tight, long apron and boots or suitable chemical protection clothing. Clothing should be dust tight protective. Respiratory protection must be worn. Wear glasses with side protection. Always use gloves.

**6.2 Environmental precautions** Endangerment of drinking water and environment. Do not allow runoff to get into the sewage system. Avoid escape into ground, lake or streams under all circumstances. Inform responsible authorities in case of escape.

### 6.3 Methods and material for cleaning up

For cleaning up Clear spillage immediately by carefully sweep up spills.  
Small spill: Absorb spill with inert mineral material, (dry sand, earth, vermiculite, diatomaceous earth); Major spill: Isolate contaminated area. In case accidental spill, ventilate the area and recover by pumping the product.

Collect spilled quantities in a clearly labelled container with a systematic description of its contents and with the hazard symbol and the H and Pstatements. Entrust to the appropriate authorities for disposal. Wash area thoroughly immediately after removal of spills.

Other information Textile or leather gloves are completely unsuitable.

**6.4 Reference to other sections** For disposal of spill see section 13  
For protective measures see section 8

## 07 Handling and storage

### 7.1 Protective measures

Measures to protect the environment Do not allow runoff to get into the sewage system. Do not contaminate surface waters or ditches with chemical or used container.

Advice on general occupational hygiene Avoid skin and eyes contact. Do not eat, drink or smoke in work areas.  
Wash hands after use.  
Remove contaminated clothing and protective equipment before entering eating areas. Wash all protective clothing thoroughly after use.

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

Technical measures and storage conditions Keep in original container, tightly closed and in a safe place. Keep dry and frost proof in a suitable pesticide store. Recommended storage is at room temperature in a well-ventilated place. Protect from exposure to light.

Further information on storage conditions Wash out container thoroughly, empty washings into spray tank and dispose of safely.

**7.3 Specific end uses** **Herbicide** uses

## 08 Exposure controls/personal protection

### 8.1 Control parameters

No exposure limits available.

### 8.2 Exposure controls

Protective measures:

Eye and face protection EC EN 166 "3" against chemical agents

Respiratory protection Particle filters P2 or P3, color code white if needed.

Hand protection Wear nitrile gloves (EN 374). Textile and leather gloves are completely unsuitable.

## 09 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties of the mixture

Physical state	clear oil
Appearance	dark yellow
Odour	Varnish
pH (1% aqueous)	7.22
Melting point/freezing point	no data available
Initial boiling point	100°C
Flash point	No flash to boiling
Evaporation rate	no data available
Flammability	not flammable
Upper/lower flammability or explosive limit	no data available
Vapour pressure	no data available
Relative density	1.1861 g/ml
Solubility	Soluble in water
Partition coefficient n-octanol/water	no data available
Auto-ignition temperature	> 400°C
Decomposition temperature	no data available
Viscosity (dynamic)	10.356 mPa·s ± 0.019 (20 ± 0.2°C) 8.501 mPa·s ± 0.037 (40 ± 0.4°C)
Explosive properties	not explosive
Oxidising properties	not oxidizing
Surface tension	46.94 N/m ± 0.309

## 10 Stability and Reactivity

10.1 Reactivity	No data available
10.2 Chemical stability	Stable under normal storage condition
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	No data available
10.5 Incompatible materials	Strong acids and oxidizing agents
10.6 Hazardous decomposition products	Hazardous combustion products: CO, NO <sub>x</sub> , SO <sub>x</sub> can be released

## 11 Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity: Harmful if swallowed

### 11.2 Relevant toxicological properties :

#### Acute toxicity:

LD<sub>50</sub> (oral): 2000 mg/bw kg  
 LD<sub>50</sub> (dermal): > 2000 mg/bw kg  
 LC<sub>50</sub> (inhalation): > 5mg/L air  
 Skin irritation: Not irritant  
 Eye irritation : Not irritant  
 Skin sensitization: Not sensitizer

#### Repeated/Chronic:

Mutagenicity: Not classified (based on properties of ingredients)  
 Reproductive toxicity: Not classified (based on properties of ingredients)  
 Carcinogenicity: Not classified (based on properties of ingredients)  
 Teratogenicity: Not classified (based on properties of ingredients)

### 11.3 Information on likely routes of exposure:

Ingestion, inhalation, skin and eye contact.

### 11.4 Other information:

No data available

## 12 Ecological information

### 12.1 Toxicity

Harmful to aquatic life with long lasting effects.

#### **Experimental data for bentazone:**

EC<sub>50</sub> (48h) Daphnia magna: 64 mg/L  
 EC<sub>50</sub> (120h) algae: 10.1 mg/L (*Aphanizomenon flos-aquae*)  
 LC<sub>50</sub> (96h) fish: > 100 mg/L (*Oncorhynchus mykiss*)

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

Log Pow < 3 (bentazone)

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

no data available

## 13 Disposal considerations

### 13.1 Waste treatment methods

Product / Packaging disposal Wash out container thoroughly, empty washings into spray tank and dispose of in compliance with local regulations.

Sewage disposal-relevant information Do not empty into sewage systems

**14 Transport Information**

<b>14.1 UN number</b>	Not classified as a dangerous good under transport regulations
<b>14.2 UN proper shipping name</b>	Not classified as a dangerous good under transport regulations
<b>14.3 Transport hazard classes</b>	Not classified as a dangerous good under transport regulations
<b>14.4 Packing group</b>	Not classified as a dangerous good under transport regulations
<b>14.5 Environmental hazards</b>	Not classified as a dangerous good under transport regulations
<b>14.6 Special precautions for user</b>	Not classified as a dangerous good under transport regulations

**15 Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This MSDS is prepared to comply with Regulation (EU) No. 453/2010.

Relevant national legislation applicable may be found in the national MSDS.

Chemical safety assessment: Refer to sections 7 and 8 for relevant advice.

**16 Other information**

For use instructions, refer to product label.

Full text of H and P statements and R phrases provided in sections 2 and 3 are given below for ease of reference:

H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H412	Harmful to aquatic life with long lasting effects
R22	Harmful if swallowed
R36	Irritating to eyes
R43	May cause sensitisation by skin contact
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P273	Avoid release to the environment
P280	Wear protective gloves
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P330	Rinse mouth
P501	Dispose of contents/container in accordance to local regulation

**Other data**

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Replaces: Version 0 of 18.04.2012

Indication of changes: Changes in sections 1, 2, 4, 6, 8, 9, 11, 12, 13, 15 and 16, and change the layout of the SDS.