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Version: 1.0 Issue date: Oct. 10, 2021

MATERIAL SAFETY DATA SHEET OF

BENTAZONE 480G/L SL

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Supplier: Shanghai Bosman Industrial Co., Ltd.

Street address: No.1611, North Sichuan Road, Hongkou District, Shanghai, P.R. China.

FAX: +86 21 63065878

TEL: +86 21 63065878

Product name: Bentazone 480g/L SL

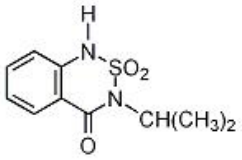
2. COMPOSITION/INFORMATION ON INGREDIENTS

Formulation Type: Soluble liquid(SL)

Active Ingredients: Bentazone

IUPAC name: 3-isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide

Structural Formula:



Other ingredients determined not to be hazardous

INGREDIENT	CAS NO	PROPORTION
Bentazone	25057 - 89 - 0	480g/l
Inerts	Not available	Balance

3. HAZARDS IDENTIFICATION

Emergency Overview

Harmful if swallowed, irritating to eyes and skin, skin sensitisation possible.

Potential Health Effects

Ingestion: Harmful if swallowed.

Skin Contact: Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals.

Eye Contact: Causes moderate eye irritation.

Aggravation of Pre-existing Conditions: No information found.

4. FIRST AID MEASURES

Inhalation: Remove victim to fresh air. If not breathing, clear the victim’s airway and start mouth-to-mouth artificial respiration. If breathing is difficult, give oxygen. Contact a physician immediately.

Ingestion: If swallowed, call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Skin Contact:

Remove contaminated clothing. Immediately wash all affected areas with large amounts of clear water and soap for at least 15 minutes. Call a poison control centre or doctor for treatment advice. Wash clothing before re-use.

Eye Contact: Immediately flush eyes with copious amounts of clear, cool running water for a minimum of 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eyes and lids with water. Check for and remove contact lenses after 5 minutes. Contact a physician immediately if irritation persists.

Note to Physician: Treat symptomatically. No specific antidote known.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water fog, dry chemical, foam and CO2.

Unusual Fire and Explosion Hazard: Under fire conditions this product may decompose to liberate carbon oxides, nitrogen and sulphur.

Fire Fighting Instructions: Evacuate nonessential personnel from the area. Cool containers exposed to fire, using plenty of spray water.

Safety Measures during Fire Fighting: Wear self-contained breathing apparatus and personal protective clothing. Do not allow extinguishing water to discharge into the sewage system.

6. ACCIDENT RELEASE MEASURES

General: Use adequate ventilation and air-supplied respirators, as well as impervious clothing and safety goggles.

Small Spill: Cover with liquid binding material (e.g. universal binder) or absorbent material such as clay, earth or sand. Sweep into an open drum. Close the drum and dispose of in accordance to local regulations. Do not allow the spilled material or wash water to enter the sewage system.

Large Spill: Dike the spill to prevent contamination of local water sources. Siphon the majority of the liquid into drums for use or disposal, depending on the circumstances. Wash contaminated surfaces to remove any residues. Do not allow the spilled material or wash water to enter the sewage system.

7. HANDLING AND STORAGE

Handling: Wear appropriate personal protective equipment. Wash thoroughly and change clothes after handling. Observe all warnings and precautions listed for the product.

Storage: Do not contaminate water, food or feed by storage or disposal. Keep in tightly closed container in a shaded, well-ventilated area, away from heat, sparks and other sources of ignition. Keep out of reach of children and uninformed persons. Protect against physical damage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: A well-ventilated area is recommended for handling this product.

Respiratory Protection: Use a NIOSH approved respirator if large quantities of mist are generated or under prolonged exposure.

Skin Protection: Protective rubber gloves and overalls to minimise skin contact.

Eye Protection: Safety glasses or chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow to brown liquid

pH: 7.0~10.0

S.g./density: Not available

Solubility in water: Soluble in water

Explosive properties: Not explosive

Oxidizing properties: Not oxidizing

10. STABILITY AND REACTIVITY

Engineering Controls: A well-ventilated area is recommended for handling this product.

Respiratory Protection: Use a NIOSH approved respirator if large quantities of mist are generated or under prolonged exposure.

Skin Protection: Protective rubber gloves and overalls to minimise skin contact.

Eye Protection: Safety glasses or chemical goggles.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Acute Oral LD50 (rat)	> 2 000 mg/kg
Acute Dermal LD50 (rabbit)	> 5 000 mg/kg
Inhalation LC50 (mouse; 4-hour)	> 8 mg/ℓ
Skin contact:	Slight skin irritation; rabbits
Eye contact:	Slight eye irritation; rabbits
Sensitising effect:	Exists

12. ECOLOGICAL INFORMATION

(For active ingredient:)

Toxicity to birds:	LD50 (oral) = 1 140 mg/kg; quail
Toxicity to fish:	LC50 (96 h) > 100 mg/L; rainbow trout
Toxicity to daphnia:	LC50 (48 h) = 125 mg/L
Toxicity to algae:	EC50 (72 h) > 47,3 mg/L; Scenedesmus subspicatus
Toxicity to bees:	Not toxic to bees; LD50 (oral) > 100 µg/bee
Toxicity to worms:	EC50 (14 d) > 1 000 mg/kg soil

13. DISPOSAL CONSIDERATION

Disposal must be at an approved waste facility for chemical wastes. Burn in a chemical incinerator equipped with an afterburner and scrubber.

The empty container must be triple rinsed prior to disposal. Consult the label for the actual method to be followed.

14. TRANSPORT INFORMATION

UN NO.: -

Proper shipping name: Not regulated as dangerous goods

Classification: -

Packaging: -

15. REGULATARY INFORMATION

Follow local and international laws and regulations.

16. OTHER INFORMATION

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This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact this company.

-- END OF MSDS --