



BR AGROTECH LIMITED

Regd. Off. : 1505, Vikram Tower, Rajendra Place, New Delhi - 110008
Ph. : +91-11-43661111 (30 lines) • Fax: +91-11-43661100, 41538600
E-mail : info@bharatgroup.co.in • Website : www.bharatgroup.co.in
CIN : U74899DL2000PLC103860

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Metribuzin 70% WP

Use: Herbicides.

Formulation: Wettable powder (WP)

Supplier: BR Agrotech Limited

Address: 620/3, GIDC, Panoli, Ankleshwar-394115. Dist. Bharuch. GUJARAT, INDIA.

Website <http://www.bharatgroup.co.in>

2. Composition / Information on ingredients

Chemical Name	CAS#	Percent or content (w/w)
Metribuzin A.I.	21087-64-9	70.00%
Other ingredients	-	30.00 %

3. Health Hazards Identification

Eye contact

This product may irritate eyes. However, it is unlikely to cause any more than mild transient discomfort. It is also unlikely to cause any significant lasting effects.

Skin contact

This product may irritate skin. However, it is unlikely to cause any more than mild transient discomfort. It is also unlikely to cause any significant lasting effects.

Ingestion

Data suggests that this product is harmful if swallowed.

Inhalation

Data suggests that this product should present no significant problems.

4. First Aid Measures



BR AGROTECH LIMITED

Regd. Off. : 1505, Vikram Tower, Rajendra Place, New Delhi - 110008
Ph. : +91-11-43661111 (30 lines) • Fax: +91-11-43661100, 41538600
E-mail : info@bharatgroup.co.in • Website : www.bharatgroup.co.in
CIN : U74899DL2000PLC103860

Eyes	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.
Skin	Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Induce vomiting only, if: 1. patient is fully conscious, 2. medical aid is not readily available, 3. a significant amount (more than a mouthful) has been ingested and 4. time since ingestion is less than 1 hour. (Vomit should not get into the respiratory tract.)
Inhalation	Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.
Notes to physician	Treat symptomatically. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.

5. Fire Fighting Measures

Specific hazards during firefighting

In the event of fire the following may be released: Carbon monoxide (CO) nitrogen oxides (NO_x) Hydrogen cyanide (hydrocyanic acid) Sulphur oxides

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.



BR AGROTECH LIMITED

Regd. Off. : 1505, Vikram Tower, Rajendra Place, New Delhi - 110008
Ph. : +91-11-43661111 (30 lines) • Fax: +91-11-43661100, 41538600
E-mail : info@bharatgroup.co.in • Website : www.bharatgroup.co.in
CIN : U74899DL2000PLC103860

6. Accidental Release Measures

Personal precautionary measures

Avoid contact with spilled product or contaminated surfaces. Remove all sources of ignition. Use personal protective equipment.

Environmental protection measures

Keep the area isolated and do not allow contamination to enter drains or waterways.

Spillage or uncontrolled discharges into watercourses must be alerted to the National Rivers Authority. If the product has entered a watercourse or sewer, or grossly contaminated soil or vegetation in a public place, advise police.

Procedures for cleaning /absorption

Use mechanical handling equipment. The spillage should be taken up with a vacuum cleaner or a suitable dust binding material taking care to avoid the formation of dust, all cleaned surfaces should then be wiped with a damp cloth. All cleaned up product and cleaning materials should then be transferred to secure containers and sent for disposal.

7. Handling and Storage

Handling

Use only in area provided with appropriate ventilation. Dust may form explosive mixtures with air. Keep away from heat and sources of ignition. Keep product in original tightly closed container. Avoid inhalation of particles. Do not get on skin, eyes or clothing. Do not eat, drink or smoke when handling. Wash hands before eating, drinking or smoking.

Storage

Store in a dry area in the original containers, access should only be for authorized persons. Store away from animal foodstuffs, seeds and fertilizers. Protect from temperatures >400oC.

8. Exposure Controls/Personal Protection

Engineering measures

Use assisted ventilation in enclosed spaces if needed, especially storage areas.

Respiratory protection

It is usually safe to not use a dust mask or respirator protection on account of this product. However, if the product is being used in dusty or confined conditions, use of a mask or respirator may be preferred.



BR AGROTECH LIMITED

Regd. Off. : 1505, Vikram Tower, Rajendra Place, New Delhi - 110008
Ph. : +91-11-43661111 (30 lines) • Fax: +91-11-43661100, 41538600
E-mail : info@bharatgroup.co.in • Website : www.bharatgroup.co.in
CIN : U74899DL2000PLC103860

Eye protection
Skin Protection

Safety goggles or face-shield is recommended.
Clean overalls or protective clothing should be worn, preferably with an apron.

Hand protection

Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and Chemical Properties

Appearance	Yellow-white
Physical state	solid
Odour	Characteristic odour
Vapour pressure	0.058 mPa.
Water Solubility	dispersible

10. Stability and Reactivity

Stability	Stable under normal conditions of storage
Conditions To Avoid	Extremes of temperature and direct sunlight.
Materials to avoid	Incompatible with bases.
Hazardous decomposition products	Evolution of ammonia under influence of alkaline substances.

11. Toxicological Information

Acute Oral Toxicity	LD50 (rats) 1280 mg/kg for
Acute Dermal Toxicity	LD50 (Rats) >2000 mg/kg b.w
Acute Inhalation	LC50 (Rats) (4 h) >4.84 mg/l
Eye Irritation	Rabbit: Slight irritant
Skin Irritant	Rabbit: Slight irritant

12. Ecological Information

Birds	Acute oral LD50 for (8 d) for Mallard ducks 460-680 mg/kg LD50 for Bobwhite Quail 164 mg/kg
Fish	Fish: LC50 (96 h) for Rainbow trout 74.6 mg/l, Golden orfe 141.6 mg/l
Bees	Non-toxic to bees. LD50 35 g/bee

13. Disposal Considerations

Waste Disposal Method	Dispose of product concentrate and diluted product according to local waste regulation authority.
------------------------------	---

14. Transport Information



BR AGROTECH LIMITED

Regd. Off. : 1505, Vikram Tower, Rajendra Place, New Delhi - 110008
Ph. : +91-11-43661111 (30 lines) • Fax: +91-11-43661100, 41538600
E-mail : info@bharatgroup.co.in • Website : www.bharatgroup.co.in
CIN : U74899DL2000PLC103860

Rail/Road (RID/ADR)

Proper Shipper Name : ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S.
Class : 9
UN No. : 3077
Packing Group : III

Sea (IMDG - Code)

Proper Shipper Name : ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S.
Class : 9
UN No. : 3077
Packing Group : III
Marine Pollutant : Yes

Air (ICAO/IATA)

Proper Shipper Name : ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S.
Class : 9
UN No. : 3077
Packing Group : III

Packing Instructions: Packing instructions on sea: P002/LP02

Packing instructions on air: Y911/911

15. Regulatory Information

Hazardous symbol	Xn N	Harmful Dangerous for the environment
Special Risks (R-Phrases)	R22	Harmful if swallowed
R36/37		Irritating to eyes and respiratory system.
R50/53		Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65		Harmful - may cause lung damage if swallowed
Safety Advice (S- Phrases)	S 1/2	Keep locked up / Keep out of reach children.
S3/9/49		Keep only in the original container in a cool, well-ventilated place
S13		Keep away from food, drink and animal feeding stuffs.
S20/21		When using do not eat or drink/smoke
S22/23		Do not breathe dust/spray



BR AGROTECH LIMITED

Regd. Off. : 1505, Vikram Tower, Rajendra Place, New Delhi - 110008
Ph. : +91-11-43661111 (30 lines) • Fax: +91-11-43661100, 41538600
E-mail : info@bharatgroup.co.in • Website : www.bharatgroup.co.in
CIN : U74899DL2000PLC103860

S24/25
S29/35

Avoid contact with skin/eyes
Do not empty into drains/Dispose of material
and container in a safe way

International WHO Toxicity III
Classification

Slightly Hazardous

16. Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.