



BIO ORGANIC LIMITED

(Dealers and Distributors of Fertilizers, Pesticides, Seeds, Veterinary and Industrial Chemicals)

MATERIAL SAFETY DATA SHEET BIOFUR 80 WDG

1. IDENTIFICATION OF COMPANY AND PRODUCT

Product Name : BIOFUR 80 WDG
IUPAC Name : Sulphur 80%

CAS No : 7704-34-9
Formula : S8

Company details : **Krishi Rasayan Exports Pvt Ltd**
1115, Hemkunt Tower, 98, Nehru Place,
New Delhi – 110019, India.
Emergency Phone Number : 91 11 40885555/57
Issued date : 10/03/2008
Revised date : 02/01/2012 (Revision 1)
03/03/2014 (Revision 2)
08/06/2020 (Revision 3)

2. HAZARDS IDENTIFICATION

GHS Classification

2.1 Classification of substance or mixture

Acute toxicity, oral : H301 Category 5
Acute toxicity, inhalation : H330 Category 5
Acute toxicity, dermal : H311 Category 5
Hazard Picotgrams



Signal word : Caution
Hazard Statements : H301: Toxic if swallowed
H311: Toxic in contact with skin
H400: Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effect
Precautionary Statements : P260-Do not breathe dust/ fume/ gas/ mist/ vapors/
spray
P264 - Wash hands thoroughly after handling
P273 - Avoid release to the environment
P280 - Wear eye protection, face protection, protective
clothing, protective gloves

Address: P.O Box: 29024 - 00100 Nairobi - Kenya

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3. COMPOSITION OF PRODUCT

Component	Name	CAS Number	Content (% w/w)
Active Ingredient	Sulphur	7704-34-9	80.00%
Other ingredients	Non hazardous	-	20.00%
Total			100%

4. FIRST AID

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.
- First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact: Remove contaminated clothes. Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

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

May be fatal if swallowed and enters airways. Causes skin and eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause damage to organs.

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

No specific antidote, treat symptomatically

5. FIRE-FIGHTING 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 : Flammable liquid and vapour.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters Protection during firefighting

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

Complete protective clothing.



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6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Protective equipment : Corrosion-proof suit.
Emergency Procedures : Mark the danger area. Consider evacuation.
Close doors and windows of adjacent premises.
Stop nearby engines and no smoking. Keep containers closed. Wash contaminated clothes.
As an immediate precautionary measure, isolate spill or leak area in all directions for at least 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids.
SPILL: Increase, in the downwind direction, as necessary, the isolation distance shown above.
FIRE: If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

6.1.2 For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Structural firefighters' protective clothing provides limited protection in firesituations ONLY; it is not effective in spill situations where direct contact with the substance is possible. (ERG, 2016)

Emergency Procedures : Stop leak if safe to doso.
Ventilate area

6.2 Environmental Precautions

Prevent soil and water pollution. Prevent spreading in sewers, water bodies.

6.3 Methods and material for containment and cleaning up

For Containment : Measure the concentration of the explosive gas-air mixture. Provide equipment/receptacles with earthing. Do not use compressed air for pumping over spills.
Methods of cleaning up : Do not touch damaged containers or spilled Material unless wearing appropriate protective clothing. Scoop spilled substance into closingcontainers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/ authorized disposal facility. Wash clothing and equipment after handling

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7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling :

Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Keep the substance free from contamination. clean/dry the installation before use. Do not discharge the waste into the drain. Do not use compressed air for pumping over. Keep container tightly closed. work under local exhaust/ventilation. Exhaust gas must be neutralized.

Hygiene measures :

Do not eat, drink or smoke when using this product.

Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature :

Recommended storage atmospheric Normal temperature.

Heat-ignition :

KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.

Prohibitions on mixed storage:

KEEP SUBSTANCE AWAY FROM: combustible materials. Reducing agents, Oxidizing agents. (strong) bases. Esters, halides.

Storage area :

Store in a dry area. Ventilation at floor level. Keep Out of direct sunlight. Meet the legal requirements.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Ingredients with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety Showers should be available in the immediate vicinity of any potential exposure. Material should be handled safely

Personal protective equipment

Protective goggles. Gloves. Protective clothing. Face shield. Gas mask with filter.



Materials for protective clothing

GIVE EXCELLENT RESISTANCE: butyl rubber. polyethylene/ethylene vinyl alcohol.
GIVE GOOD RESISTANCE: neoprene.
GIVE LESS RESISTANCE: natural rubber. PVC.
GIVE POOR RESISTANCE: polyethylene. PVA.

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Hand protection	:	Gloves.
Eye protection	:	Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin and body protection	:	Complete suit protecting against chemicals.
Respiratory protection	:	Use a full face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Free flowing light brown to dark brown granules
pH	:	5.0 – 9.0
Suspensibility	:	70% min
Persistent foam	:	60 ml max after 1 minute
Wettability	:	120 seconds max
Water content	:	max 0.1%
Wet sieve test	:	max residues 2% on 45 μ sieve

10: STABILITY AND REACTIVITY

10.1 Reactivity	:	Stable under normal conditions
10.2 Chemical stability	:	Stable under normal conditions
10.3 Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use
10.4 Conditions To Avoid	:	Heat, flames and sparks. Extremes of temperature may decompose the products. Contact with incompatible material.
10.5 Incompatible materials:	:	Strong oxidizing or reducing agents
10.6 Hazardous decomposition products:	:	Thermal decomposition may produce toxic carbon and nitrogen, and hydrogen chloride

11. TOXICOLOGY

11.1 Information on toxicological effects: Likely routes of exposure : Eye contact, Skin contact, Inhalation, Ingestion

Acute Oral toxicity	:	>5000
Acute dermal toxicity	:	>2,000 mg/kg
Acute Inhalation	:	LC50 (4h) >5.74 mg/L
Skin irritation	:	Non-irritant
Eye irritation	:	Non-irritant

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Germ cell mutagenicity : No data available
Carcinogenicity : None listed in OSHA, NTP, ACGIH or IARC
Reproductive toxicity : No data available
Specific target organ toxicity(single Exposure) : No data available
Specific target organ toxicity(repeated Exposure) : No data available
Aspiration hazard : No data available

12. ECOTOXICOLOGY

Fish: Non toxic to fish

Daphnia : LC₅₀(48 h) > 665 mg/l

Bees : Non toxic to bees

Algae EC₅₀ (72 h) for Ankistradesmus bibraianus > 232 mg/l

Birds: Bobwhite quail > 5000 ppm

Earthworm:- LC₅₀ (14 d) >1600 mg/l

13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal recommendations

Dispose of product concentrate and diluted product according to local waste regulation authority. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems. Containers can be rinsed and offered for recycling (authorized). Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in licensed landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

14: TRANSPORT INFORMATION

UN Number: Not Regulated Not classed i.e. considered non-hazardous material according to UN Orange Book and international transport codes e.g. RID (rail) and IMDG (sea)."

15. REGULATORY INFORMATION

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Classification : **HARMFUL**
Hazard symbols : **Xn**
Risk Phrases : (R22) Harmful if swallowed.
(R10) Flammable.
(R38) Irritating to skin
(R41) Risk of serious damage to eyes.

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Safety Phrases : (S2) Keep out of the reach of children.
(S13) Keep away from food, drink and animal feeding stuffs.
(S20/21) When using, do not eat, drink or smoke.
(S25) Avoid contact with eyes.
(S26) In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
(S46) If swallowed, seek medical advice immediately and show this container or label.
Special label : (SO53) Do not re-use container, keep tightly closed in a safe place.

16. Others

MSDS Date Modified : June, 2020

MSDS Date Revised : June, 2023

To the best of Krishi Rasayan Exports Pvt Ltd's knowledge, the above information is true and accurate as of the date of preparation of this material safety data sheet. The above information is not intended to be exhaustive. Additional or other information may be required depending on actual conditions of use and handling. Krishi Rasayan Exports Pvt Ltd make no warranties, expressed or implied and shall not be liable for any damages or injury, howsoever caused, arising out of the use of this data sheet.

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