



江苏丰山集团有限公司

JIANGSU FENGSHAN GROUP CO., LTD

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Supplier: JIANGSU FENGSHAN GROUP CO., LTD.

Address: Caomiao Town, Dafeng City, Jiangsu Province, China.

Tel: +86-515-83374837

Fax: +86-515-83372403

Product name: Glyphosate 95.0% TC

SECTION 2: HAZARDS IDENTIFICATION

Hazard classification

Hazardous Substance: Non-Dangerous Goods.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition	CAS No.	Content %, w/w
Glyphosate	1071-83-6	95.0
Other ingredients		5.0

SECTION 4: FIRST AID MEASURES

If swallowed: Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so after calling or by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

If inhaled: Move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

Medical Condition Likely to be aggravated by Exposure: None known.



SECTION 5: FIRE-FIGHTING MEASURES

Flash Point: Not flammable

Extinguishing Media: Use media suited to burning material.

Fire and Explosion Hazards: Decomposition products are toxic and corrosive. There is little or no chance of an explosion from this product if involved in a fire.

Fire-fighting Equipment: Wear full protective clothing including face mask, face shield and gauntlets.

SECTION 6: ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water.

Clean up spills immediately, observing precautions outlined in Section 8.

Persons suffering a temporary allergic reaction may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

SECTION 7: HANDLING AND STORAGE

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment: full-length overalls

Respiratory protection: approved respirator.

Protective gloves: rubber gloves

Eye protection: safety goggles or face shield.

Industrial hygiene: ventilation



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White powder

Melting point: Decomp. 200°C

Vapor pressure: 1.31×10^{-2} mPa (25°C)

Henry: $< 2.1 \times 10^{-7}$ Pa m³ mol⁻¹

S.g./density: 1.705 (20°C)

Solubility: In water 10.5 g/l

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions. React with oxidising agents.

Incompatibility: Avoid strong oxidising agents.

Hazardous Decomposition Products: This product is unlikely to spontaneously decompose.

Hazardous Polymerization: This product is unlikely to spontaneously polymerise.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute oral LD₅₀ for rats 5600, mice 11300, goats 3530 mg/kg.

Acute percutaneous LD₅₀ for rabbits >5000 mg/kg.

Eye irritant; non-irritating to skin (rabbits).

Inhalation LC₅₀ (4 h) for rats >4.98 mg/l air.

SECTION 12: ECOLOGICAL INFORMATION

Fate in Birds: Acute oral LD₅₀ for bobwhite quail >3851 mg/kg. Dietary LC₅₀ (8 d) for quail and ducks >4640 mg/kg diet.

Fate in Fish: LC₅₀ (96 h) for trout 86, bluegill sunfish 120, harlequin fish 168, sheepshead minnow >1000 mg/l.

Daphnia: LC₅₀ (48 h) 780 mg/l.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal method: Dispose of empty, used containers by;



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(a) Triple rinsing with water. Add the rinsings to the tank mix or dispose of rinsate in a disposal pit away from desirable plants and roots, and watercourses. On-site disposal of undiluted product is unacceptable.

(b) Breaking, crushing or puncturing the containers to prevent reuse.

(c) Disposing of in a local authority, bury landfill site that does not burn its refuse. If there is no local authority landfill readily available in your area, bury the containers under at least 50 cm of soil at a licensed/approved disposal site. DO NOT burn empty containers or product.

SECTION 14: TRANSPORT INFORMATION

Road and rail transport: Not classified as Dangerous Goods for transport by sea.

Marine Transport: Not classified as dangerous Goods by the criteria of the International Maritime Dangerous Goods code (IMDG Code) for transport by sea.

Air Transport: Not classified as dangerous by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for the transport by air.

SECTION 15: REGULATORY INFORMATION

Regulations on Safety Management of Hazardous Chemicals (issued by Chinese State Council on February 17, 1987)

SECTION 16: OTHER INFORMATIONS

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct.

THE END OF MATERIAL SAFETY DATA SHEET