

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

GLYPHOSATE 710G/KG WSG

SUPPLIER NAME:	Shandong Weifang Rainbow Chemical Co., Ltd.
SUPPLIER ADDRESS:	Binhai Economic Development Area, Weifang, Shandong, 262737 China
SUPPLIER PHONE:	+86-531-55666301
SUPPLIER FAX:	+86-531-88875224
ACTIVE INGREDIENT	Glyphosate Ammonium Salt
CAS NUMBER	40465-66-5
MOLECULAR FORMULA	C ₃ H ₁₁ N ₂ O ₅ P
MOLECULAR WEIGHT	186.1
USE:	Herbicide

2. COMPOSITION / INFORMATION ON INGREDIENTS

Glyphosate Ammonium Salt	78%
Other ingredients	up to 100%.

3. HAZARDS IDENTIFICATION

HEALTH HAZARD:

harmful if swallowed or inhaled. May cause temporary eye irritation. Not expected to produce significant adverse effects when recommend use instructions are followed.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Hypersensitivity to sulphiting agents. A very small percentage of particularly sensitive people may suffer skin or respiratory reactions.

4. FIRST AID MEASURES

INHALATION:	Remove source of contamination, or move victim to fresh air. Keep affected person warm and at rest. Treat symptomatically and supportively. Qualified personnel should perform administration of oxygen. Get medical attention if effects persist.
SKIN CONTACT:	Move the victim to fresh air and remove all contaminated clothing, shoes and leather goods. Gently wipe off excess chemical. Wash affected skin areas gently and thoroughly with water and non-abrasive soap. Do not rub the skin. If irritation persists, seek medical advice.
EYE CONTACT:	Immediately flush the eyes with clean, gently flowing lukewarm water or saline solution for 20 minutes, holding the eyelid(s) open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. If irritation persists, seek medical advice.
INGESTION:	Have victim rinse mouth thoroughly with water. Do not induce vomiting. Seek medical advice immediately showing container and label.
ADVICE TO DOCTOR:	There is no specific antidote. Treat symptomatically and supportively as and when required. Remove by gastric lavage and catharsis, but not if victim is unconscious. Give oxygen if respiration is depressed.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: carbon dioxide, dry powder, or alcohol-resistant foam

HAZARDOUS PRODUCTS OF COMBUSTION:

Carbon monoxide (CO), phosphorous oxides (PxOy) and nitrogen oxides (NOx)

FIRE FIGHTING:

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Remove spectators from surrounding area. Remove container from fire area if possible. Contain fire control agents for later disposal. Use a recommended extinguishing agent for the type of surrounding fire. Avoid inhaling vapours and fumes from burning materials. Keep upwind.

PERSONAL PROTECTIVE EQUIPMENT:

Fire may produce irritating or poisonous vapours (toxic fumes of carbon monoxide, phosphorous oxides and nitrogen oxides), mists or other products of combustion. Fire fighters and others that may be exposed should wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Avoid contact with skin and eyes. Do not breathe in spray or fumes.

ENVIRONMENTAL PRECAUTIONS:

Do not allow entering of drains or watercourses. Spillage or uncontrolled discharges into water courses (or public waters) to be reported immediately to the Police and to the Department of Water/Environmental Affairs.

OCCUPATIONAL SPILL:

Remove all sources of flames and sparks For dry spills, shovel up and sweep up with damp earth or sand or other suitable absorbents, taking care not to raise a dust cloud. Place the material into a labelled, clean, dry container and store in a safe place to await proper disposal. All contaminated cleaning materials should be placed in closable receptacles. In situations where product comes in contact with water, contain contaminated water for later disposal. Do not flush spilled material into drains. Do not contaminate water while cleaning equipment or disposing of wastes. Keep spectators away and upwind.

7. HANDLING AND STORAGE

HANDLING:

Avoid contact with eyes, prolonged contact with skin, and inhalation of spray and fumes. Handle product with caution. Use with adequate ventilation. Wash hands before eating, drinking, chewing gum, smoking or using the toilet. Remove clothing immediately if the herbicide gets inside. Then wash skin thoroughly using a nonabrasive soap and put on clean clothing. Operators should change and wash clothing after use. Do not apply directly to areas where surface water is present, or to intertidal areas below the mean high water mark. Water used to clean equipment must be disposed of correctly to avoid contamination.

STORAGE:

Store in its original, labelled and closed container in dry, cool, shaded, well-ventilated area, away from heat, sparks and other sources of ignition. Do not store with other pesticides, fertilizer, seeds, foodstuffs and water supplies. Store away from incompatible substances. Product is incompatible with galvanized steel or unlined mild steel. Keep out of reach of unauthorized persons, children and animals. Local regulations should be complied with.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

USERS OR ANYONE: Who has to handling or contacting with this product should firstly read the personal protection. While handling, using and fighting fire of this product, cleaning equipments, mixing or loading, following personal protective equipment should be used:

EYE AND FACE PROTECTIONS: Wear dust goggles and chemical resistant gloves

SKIN PROTECTIONS: Wear chemical resistant gloves.

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9. PHYSICAL AND CHEMICAL PROPERTIES

COLOUR/COLOR RANG:	White to Light Yellow Uniform Granule
FORM:	Granules
ODOUR:	Odorless
FLASH POINT:	No flash point
pH:	4.1 (1% aqueous dilution)

10. STABILITY AND REACTIVITY

STABILITY:	Stable at normal temperatures and storage conditions.
INCOMPATIBLE MATERIALS:	Galvanised steel, unlined mild steel.
INSTABILITY:	Reacts with galvanised steel or unlined mild steel to produce hydrogen, a highly flammable gas that could explode.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD ₅₀ :	> 3000 mg/kg
ACUTE DERMAL LD ₅₀ :	> 4000 mg/kg
ACUTE INHALATION LC ₅₀ :	> 2 mg/l (4-hour)
SKIN IRRITATION:	Non-irritant
EYE IRRITATION:	Moderately irritant
SKIN SENSITIZATION:	Non-sensitizer.

12. ECOLOGICAL INFORMATION

TOXICITY TO BEE:	Virtually non-toxic.
TOXICITY TO BIRD:	Practically non-toxic.
TOXICITY TO FISH:	Practically non-toxic.

13. DISPOSAL CONSIDERATIONS

Keep out of drains, sewers, ditches and water ways. Burn in special, controlled high temperature incinerator. Follow all local/ regional/ national/ international regulations. Do not reuse container without the permission of Company.

14. TRANSPORT INFORMATION

UN number:

3077

UN proper shipping name:

Environmentally Hazardous Substance, Solid, N.O.S.

Transport hazard class(es):

9

Packing group, if applicable:

III

Marine pollutant (Yes/No):

Yes

15. OTHER INFORMATION

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The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.