

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE AND THE SUPPLIER

Product name:	Atrazine 500 G/L SC
Other name:	/
Recommended use of the chemical and restrictions on use	Herbicide
Supplier name:	Shandong Weifang Rainbow Chemical Co., Ltd.
Supplier address:	Binhai Economic Development Area, Weifang, Shandong, China
Supplier phone:	+86-531-88875222, 88875231
Supplier fax:	+86-531-88875232, 88875224
Emergency phone number:	+86-531-88875222

2. HAZARDS IDENTIFICATION

Hazard statement(s):

Harmful if swallowed or inhaled. May be harmful if contact with skin. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure.

Toxic to aquatic life.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration
Atrazine	1912-24-9	500 g/L
Other ingredients	/	Up to 1L

4. FIRST AID MEASURES

Description of necessary first aid measures

General advice: You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. Have this SDS with you when you call.

Inhalation: If inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Skin contact: Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 15 minutes or until chemical is removed.

Eye contact: If irritation occurs, flush contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:

For small fires, use foam, carbon dioxide, dry powder or halon extinguishing agents. For large fires, use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.

Special protective actions for fire-fighters:

Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use are commended extinguishing agent for the type of surrounding fire.

Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal. Avoid inhaling hazardous vapours and fumes from burning materials. Keep upwind.

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Remove container from fire area if possible and without risk. Water can be used to cool unaffected containers but must be contained for later disposal.

Dyke fire control water for later disposal. Do not scatter the material. Avoid pollution of waterways.

Do not use high volume water jet, due to contamination risk. Contain water used for fire fighting for later disposal.

Avoid the accumulation of polluted run-off from the site.

Fire may produce irritating and/or toxic vapours, 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, protective equipment and emergency procedures:

Isolate spill or leak area immediately. Clear area of all unprotected personnel. Do not allow container or product to get into drains, sewers, streams or ponds. If contamination of sewers or waterways has occurred advise local emergency services.

Methods and materials for containment and cleaning up:

Slippery when spilt. Avoid accidents, clean up immediately.

Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain-prevent run off into drains and waterways.

Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. After cleaning, flush away any residual traces with water. Collect contaminated rinse water, do not allow to reach sewage or effluent systems.

7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with eyes, skin and clothing. Avoid inhalation of spray and vapour. Use with adequate ventilation. Do not eat, drink or smoke while working. Wash hands before eating, drinking, chewing gum, smoking, or using the toilet.

Operators should change and wash clothing daily. Remove clothing immediately if the pesticide gets inside. Then wash skin thoroughly using a non-abrasive soap and put on clean clothing.

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.

Conditions for safe storage, including any incompatibilities:

Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials. Do not store for prolonged periods in direct.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls:

It is essential to provide adequate ventilation. The measures appropriate for a particular work site depend on how this material is used and on the extent of exposure. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations.

Personal protective equipment:

Respiratory protection: If determined by a risk assessment an inhalation risk exists, wear a suitable mist respirator.

Eye protection: Wear tightly fitting safety goggles with side-shields or safety glasses.

Skin and body protection: Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color etc.):	White to Beige Liquid
Flammability (solid, gas):	Not flammable.
Vapor pressure:	Not available
Density:	1.109 ± 0.005 g/mL
Solubility(ies):	Suspendible in water.
Partition coefficient: n-octanol/water:	Not applicable.

10. STABILITY AND REACTIVITY

Chemical stability:

Stable under normal conditions

Incompatible materials:

Incompatible with strong acids, strong bases, strong oxidising agents.

Hazardous decomposition products:

Oxides of carbon. Oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

Numerical measures of toxicity:

Based on A.I. information

Acute oral LD50:	1870-3090 mg/kg in the rat
Acute dermal LD50:	> 2000 mg/kg in the rat
Acute inhalation LC50:	> 5.8 mg/L in the rat, 4h
Skin irritation:	No irritation(rabbits)
Eye irritation:	No irritation(rabbits)
Skin sensitization:	Sensitizer (guinea pig)

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Based on A.I. information

Birds - Acute LD50:	4237 mg/kg in the Coturnix japonica
Fish - Acute 96 hour LC50:	4.5 mg/L in the Oncorhynchus mykiss
Aquatic invertebrates - Acute 48 hour EC50:	85 mg/L in the Daphnia magna
Honeybees - contact acute 48 hour LD50	> 100 µg/bee
Earthworms - Acute 14 day LC50	79 mg/kg

13. DISPOSAL CONSIDERATIONS

Safe handling of waste residues and disposal methods:

Product:

Open dumping or burning of this pesticide is prohibited. Waste resulting from the use of this product cannot be reused or re processed.

Never pour untreated waste or surplus products into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers. Comply with local legislation applying to waste disposal.

Contaminated packaging:

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Emptied containers retain vapour and product residues. Observe all labelled safeguards until container is destroyed.

TRIPLE RINSE empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner.

Do not re-use the empty container for any other purpose but destroy it by perforation and flattening and bury in an approved dump site.

Prevent contamination of food, feedstuffs, drinking water and eating utensils.

Comply with local legislation applying to waste disposal.

14. TRANSPORT INFORMATION

UN number:

3082

UN proper shipping name:

Environmentally hazardous liquid substance, n.o.s.

Transport hazard class(es):

9

Packing group, if applicable:

III

Marine pollutant (Yes/No):

No

15. REGULATORY INFORMATION

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given.

Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and /or local laws.

16. OTHER INFORMATION

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.