

XINTAI RIJIN CHEM-TECH CO., LTD.,

CIRCULAR ECONOMY INDUSTRIAL PARK, LOOUDE TOWN,
XINTAI CITY, SHANDONG PROVINCE

Tel : 0 5 3 8 - 5 0 8 5 7 6 6

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1,2,4-TRIAZINONE

Date of issue: JAN. 02 ,2020

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MSDS

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING:

XINTAI RIJIN CHEM-TECH CO., LTD., CIRCULAR ECONOMY INDUSTRIAL
PARK, LOOUDE TOWN, XINTAI CITY, SHANDONG PROVINCE

Tel. 0 5 3 8 - 5 0 8 5 7 6 6

Fax. 0538-5086799

Trade name: 1,2,4-TRIAZINONE

Usage: HERBICIDE INTERMEDIATE

2. Hazards identification

2.1 Classification:

Classification in accordance with the EC directive 67/548/EEC or 1999/45/EC

Harmful if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Classification in accordance with Regulation (EC) No 1272/2008.

Acute oral toxicity: Category 4

H302 Harmful if swallowed

Acute aquatic toxicity, Chronic aquatic toxicity: Category 3

H412 Harmful to aquatic life with long lasting effects.

2.2 Labelling

Labelling in accordance with the EC Directive on Dangerous Substances 67/548/EEC, as amended.

Hazardous components which must be listed on the label:

1,2,4-TRIAZINONE

R-phrases)

R22 Harmful if swallowed

R52/53 Harmful to aquatic organisms, may cause long-term adverse



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effects in the aquatic environment

S-phrase(s)

S22

Do not breathe dust.

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Hazardous components which must be listed on the label:

1,2,4-TRIAZINONE

Hazard statements:

H302 Harmful if swallowed

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid releasing to the environment.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P501 Dispose of contents/container in accordance with local regulation.

3. Composition of the product and info about the ingredients

Use: HERBICIDE INTERMEDIATE
Type of formulation: Technical grade
Chemical formulation: 4-Amino-6-(tert-butyl)-3-mercapto-1,2,4-triazin-5(4H)-one

Content a.s	CAS n°	Classification	R-sentences	Active ingredient
95%	33509-43-2	Xn	R22, 52/53	1,2,4-Triazinone

4. First aid measures

Inhalation: move victim to fresh air. If needed, administer oxygen or apply artificial respiration. Obtain medical attention if necessary.

Eye contact: immediately flush with water for 15 minutes, occasionally lifting the upper and lower lids. If irritation persists, seek medical attention.

Contact with skin: wash immediately with plenty of water and soap. If necessary seek medical attention.



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Swallowing: give victim 1 or 2 glasses water to drink. Seek medical advice before inducing vomiting. Never give food or drinks to an unconscious victim. In case of accident or if you feel unwell, seek medical advice (show the label where possible).

5. Fire fighting measures

Suitable extinguishing media: CO₂, dry powder, foam or water spray.

Not suitable extinguishing media: high-pressure water jet.

Special protective equipment: wear an independent respirator.

Specific method: when possible, let the fire burn out because the amount of water can enlarge the contaminated surface. Cool containers / tanks with water.

6. Accidental release measures

Personal precaution measures: use suitable protective agents.

Environmental protection measures: do not allow entering drains or watercourses.

Cleaning, clearing measures: take up mechanically. Clean up affected area. Use an adequate container for disposal.

7. Exposure controls / Personal protection

Technical measures: provide adequate ventilation, especially in closed areas.

Hygienic measures: wash hands before each break and after work. Keep away from food, drinks and animal feeding stuff. Do not eat, drink or smoke during handling.

Personal protection:

Respiratory protection: use a respirator with a P1 filter.

Hand protection: protective gloves.

Eye protection: safety goggles.

8. Handling and storage

Handling: handle product in a well-ventilated area. Normal precautions for handling chemicals should be respected. Use personal protective agents. Keep away from heat or ignition sources.

Storage: store in a cool, dry, well-ventilated area, out of reach of children. Store in fireproof location. Keep package well closed. Do not store together with strong acids and alkali. Keep away from food, drinks and animal feeding stuff.



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9. Physical and chemical properties

Appearance:	powder
Colour:	white – yellow
Odour:	a weak characteristic
pH:	5 – 7 @ 20°C
Melting point:	125.5 – 126.5 °C
Self-ignition temperature:	350°C
Vapour pressure:	0.058mPa@20 °C
Relative density:	not applicable
Bulk specific density:	460 kg/m ³
Solubility:	1.05g/l@20 °C

10. Stability and reactivity

Stability:	stable under normal, dry storage conditions.
Conditions to avoid:	formation of dust in closed areas.
Materials to avoid:	acid and alkali conditions
Hazardous decomposition products:	SO ₂ and NO _x

11. Toxicological information

Acute toxicity:

LD ₅₀ acute oral:	> 550mg/kg (rat,male)
LD ₅₀ acute oral:	> 350mg/kg (rat,female)
LD ₅₀ acute dermal:	>5000 mg/kg (rat)
LC ₅₀ inhalation (4h):	>2045 mg/l (rat)

Irritation of the skin/rabbit: slightly irritant

Irritant to the mucous membranes/rabbit: non-irritant

Does not necessitate labelling

In the guinea-pig tests the product has no skin sensitising effect.(buehler patch test)
No mutagenic activity in various in-vitro and in-vivo studies.

12. Ecotoxicological information

Fish toxicity

LC₅₀: 141.6 mg/l (96 h); Golden orfe (leuciscus idus)

LC₅₀: 74.6 mg/l (96 h); Rainbow trout (oncorhynchus mykiss)

Toxicity for Daphnia:

EC₅₀: 49.6 mg/l (48 h); Water Flea (Daphnia magna)



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Toxicity for algae:

Growth rate:

LC₅₀: 22 mg/l (72 h); Green algae (*Desmodesmus subspicatus*)

Toxicity to bacteria:

EC₅₀: 761 mg/l; activated sludge

Degradation or pure active ingredient: half time

t_{1/2}: >1 a at pH 4 (22 °C) (OECD 111)

t_{1/2}: >1 a at pH 7 (22 °C) (OECD 111)

t_{1/2}: >1 a at pH 9 (22 °C) (OECD 111)

Water pollution class (WGK): 3- high impairment of water quality

WGK = Classification in accordance with the German Water Resources Act (in accordance with Annex 3 to the Directive on Water-hazardous Substances)

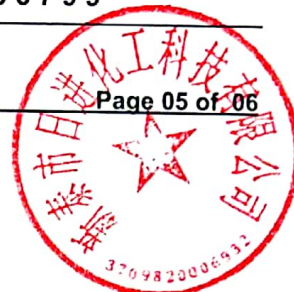
13. Disposal considerations

Remainders of spraying solution ought to be diluted 10 times and sprayed over the treated plot according to the descriptions of use. Do not pollute ponds, watercourses and canals with the product or the empty packaging. Never reuse the empty packaging for other materials. To avoid spraying solutions after treatments, calculate how much liquid is needed on the basis of the area that need to be treated and the amount of water needed for each hectare

The empty packaging need to be rinsed with water by means of a manual system (three successive times shaking with water) or by means of a cleaning system with water under pressure, placed on the spraying tank. The wash water needs to be poured in the spraying tank. The rinsed packaging must be brought to a specific collector.

14. Transport information

ADNR	Not dangerous goods
ADR	Not dangerous goods
GGVE	Not dangerous goods
GGVS	Not dangerous goods
IATA-C	Not dangerous goods
IATA-P	Not dangerous goods
IMDG	Not dangerous goods
RID	Not dangerous goods



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15. Regulatory information

The product is classified and labelled in accordance with the EC Directive on dangerous substances EC-Directive 67/548, as amended.

Classification:

Labelling according to EEC Directive Hazardous components which must be listed on the label:

1,2,4-TRIAZINONE

R-phrase(s)

R22	Harmful if swallowed
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrase(s)

S22	Do not breathe dust. Refer to special instructions/safety data sheets.
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16. Other information

All information and instructions provided in this 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. This information applies to the PRODUCT AS SUCH. In case of formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product.



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