

河北捷润科技有限公司

Hebei J Rain Technology Co., Ltd.

Date: Jun.9th, 2025

MATERIAL SAFETY DATA SHEET

OF PROPYZAMIDE TECH

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Propyzamide 98% tech

Name: HEBEI JRRAIN TECHNOLOGY CO.,LTD.

Address: No. 66 XIANGTAI ROAD, YUHUA DISTRICT, SHIJIAZHUANG CITY, HEBEI PROVINCE,CHINA

Tel: 86-311-80680379

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Chemical Name of Active Ingredient (IUPAC):

3,5-dichloro-N-(1,1-dimethylpropynyl)benzamide

Chemical Type: herbicide

Chemical Formula of Active Ingredient: C₁₂H₁₁Cl₂NO

CAS Registry Number: 23950-58-5

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Content (g/kg)
propyzamide	23950-58-5	min.980
Inerts	Not applicable	max.20

SECTION 3: HAZARDS IDENTIFICATION

May cause eye irritation. Avoid contact with eyes.

May cause skin sensitisation from prolonged skin contact. Avoid skin contact.

Suspected of causing cancer.

May cause organ damage from repeated oral exposure at high doses.

Very toxic to fish/aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.

SECTION 4: FIRST AID MEASURES

If poison occurs, immediately contact a doctor .

Eye contact: Immediately flush with flowing water for at least 15 minutes. Get medical attention if irritation persists.

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Skin contact: Remove contaminated clothing immediately. Flush with flowing water and wash with soap and water immediately. Wash clothing before reuse.

Inhalation: If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Use mouth to nose rather than mouth to mouth. Obtain medical attention.

Ingestion: If swallowed, dilute by drinking several glasses of water or milk. Do not induce vomiting unless patient has received high doses. Seek medical advice.

First Aid Facilities: Ensure washing facilities are available.

Notes to physician: no specific antidote.

SECTION 5: FIRE FIGHTING MEASURES

Unsuitable extinguishing Media: none

Extinguishing Media: Foam, carbon dioxide, dry chemical or water spray (fog). Prevent run-off from entering into any water supply.

Thermal Decomposition products: include oxides of carbon, and nitrogen.

Special fire fighting methods: addition of water may cause excessive foaming. Vapours may be toxic, self contained breathing apparatus required. Do not allow contaminated runoff to enter drains.

Unusual fire or explosion hazards: none

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions : avoid contact with spilled material or contaminated surfaces . If ordinary clothing becomes contaminated remove it immediately. When dealing with the spillage do not eat, drink or smoke and wear personal protective clothing as detailed in Section 8.

Environmental Precautions : Keep people and animals away. Prevent entry into drains, sewers and watercourses. If spillage enters drains leading to sewage works inform local water company pic immediately. If spillage enters rivers or watercourses, inform the Environment Agency. Overseas, inform the appropriate authority immediately.

Spillages : Contain/absorb spillage in sand /earth or in a suitable inert material. Transfer collected material to heavy duty plastic drums and keep safe for disposal.

Note : Check also for any local site procedures in force.

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SECTION 7: HANDLING AND STORAGE

Handling Precautions: Keep out of reach of children. Avoid contact with the eyes and skin.

Storage Precautions: Store in the closed original container in a dry, cool, well-ventilated area, out of direct sunlight. Store in locked room or place away from children, animals, food, animal feed, seed and fertilizers. Protect from frost

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: not established.

Engineering Controls: Control process conditions to avoid contact. Use only in a well-ventilated area.

Personal Protection: This product has a low toxicity, but if exposure to a large amount is likely, the following protection is recommended:

Eye/face: to protect against accidental eye contact, wear goggles, face shield, or safety glasses.

Skin protection: Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and chemical-resistant footwear plus socks. See label for additional precautions and user safety recommendations.

Respiratory Protection: supplied air respirators should be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Colour: colorless powder

Odour: no

Physical state: powder

K_{ow}logP : c. 3.1- 3.2 (25°C)

Henry : $9.90 \times 10^{-4} \text{ Pa m}^3 \text{ mol}^{-1}$

Melting Point : 155-156°C

Vapor pressure: 0.058 mPa (25°C)

Solubility : In water 15mg/l (25°C). In methanol, isopropanol 150, cyclohexanone, methyl ethyl ketone 200, dimethyl sulfoxide 330 (all in g/l, 20°C)

SECTION 10: STABILITY AND REACTIVITY

Stability : decomposes above melting point. Degraded photolytically on soil thin films. DT50 13-57d in artificial sunlight. In solution for 28d (pH 5-9, 20°C) < 10% loss.

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Incompatible materials: compatible with many other herbicides to extend weed spectrum.

Conditions to avoid : heat and open flame.

Hazard Polymerization: will not occur.

Comments: product is not an oxidizer and is not corrosive to metal.

SECTION 11 : TOXICOLOGICAL INFORMATION

LD50 oral : Acute oral LD50 for male rats 8350, female rats 5620, dogs > 10000 mg/kg.

LD50 dermal: Acute percutaneous LD50 for rats >3160mg/kg . slightly irritating to eyes and skin.

Inhalation : LC50 (4h) for rats> 5.0 mg/l air.

NOEL : chronic studies indicate NOEL for dogs 300, rats 200,mice 13 mg/kg diet.

ADI : 0.08 mg/kg.

Toxicity class: WHO (a.i.) III.

SECTION 12: ECOLOGICAL INFORMATION

Birds : Acute oral LD50 for Japaneses quail 8770mg/kg, mallard ducks > 14 mg/kg.
Dietary LC50 (8d) for bobwhite quail and mallard ducks > 10000 ppm.

Fish : LC50 (96h) for rainbow trout >4.7, carp > 5.1 mg a.i./l.

Bees : Non hazardous to bees.; LD50 > 100 ug a.i./bee.

Worms : LC50 for earthworms > 346 ppm

Daphnia : LC50 (48h)> 5.6 mg a.i./L.

Environmentals fate:

Soil/Environment: DT50 in soil (25) c. 30d. Duration of residual activity in soil, following an application rate of 1-4 kg/ha, is c. 2-6 months Koc 800. Kd ranges from 0.04 (0.01% o.m. , pH 6.6) to 72.2 (16.9%o.m.pH 6.8)

SECTION 13 : DISPOSAL CONSIDERATIONS

Product disposal: disposal of product would usually be by incineration in an appropriately licensed commercial incinerator. Small quantities may be accepted in licensed landfill sites. Advice may be obtained from the local waste regulation authority.

Container disposal: lightly contaminated packaging may be acceptable for landfill, otherwise incineration will be required.

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SECTION 14: TRANSPORT INFORMATION

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S.

Class: 9

UN No: 3077

Packaging group : III

SECTION 15: REGULATOR INFORMATION

Notice: 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 local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.

Risk Phrase:

R20: Harmful by inhalation.

Safety Phrase:

S13 Keep away from food, drink and animal feeding stuffs.

S2 Keep out of the reach of children.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Packaging & Labeling

Caution: keep out of reach of children

Read safety directions before opening or using

European/International Regulation:

Hazard Codes : 2X

SECTION 16: OTHER INFORMATION

Disclaimer: the information provided by Nantong Jiahe Chemicals Co., Ltd contained here in given in good faith and to the best of our knowledge.

HEBEI JRAIN TECHNOLOGY CO.,LTD .