

COMPANY DETAILS

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PRODUCT IDENTIFICATION TRADE NAME: HATCHET
 COMMON NAME: Imazapyr
 SYNONYMS: 2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl) Nicotinic acid; AC252,925; Imazapyr; Isopropylamine Salt; 243,997
 PRODUCT MONOGRAPH: 712 (RLM 10893)
 INTL PRODUCT CODE: 22912-00
 CHEMICAL FAMILY: Imidazolinone
 MOLECULAR FORMULA: C₁₃H₁₅N₃O₃
 MOLECULAR WGT: 261.300
 USAGE: Herbicide

| COMPOSITION INFORMATION | COMPONENT | CAS. NO. |
|-------------------------|-------------|--------------------------|
| Imazapyr Technical | 081334-34-1 | 100 g/L None established |
| Inert ingredients | | 163.7 g/L |
| | Water | 7732-18-5 to 1.0L |

REFERENCE: Imazapyr Technical None
 Inert ingredients
 Water

HAZARD IDENTIFICATION: "Xi"
 RS36, S2, S13, S20/21, S25, S2

FIRST AID MEASURES: EMERGENCY AND FIRST AID PROCEDURES:

If swallowed: Drink 2 glasses of water, induce vomiting by touching back of throat with fingers if person is conscious. Seek medical attention.

If on skin: Wash skin with plenty of water and soap.

If in eyes: Flush eyes with large amounts of water. Get medical attention if irritation occurs.

If inhaled: Remove subject to fresh air.

NOTE TO PHYSICIAN:

There is no specific antidote for this material. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

FIRE FIGHTING MEASURES FLASH POINT: Not applicable (Nonflammable solvent)
FLAMMABLE LIMITS (% BY VOL.): Not applicable (Nonflammable solvent)

FIRE EXTINGUISHING MEDIA:

This material will not burn or burns with difficulty. Use an extinguishing agent suitable for surrounding fires.

FIRE CONTROL TACTICS:

Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing.

Keep unnecessary people away. Use as little water as possible. Dike area of fire to prevent run-off. Use spray or fog – solid stream may cause spreading.

Do not decontaminate personnel or equipment, or handle broken packages or containers without protective equipment as specified in the Exposure Control Section. Decontaminate emergency personnel with soap and water before leaving the fire area.

Avoid breathing dusts, vapours and fumes from burning materials. Control run-off water – if water enters a drainage system, advise the authorities downstream.

ACCIDENTAL RELEASE MEASURES Wear appropriate protective clothing and personal protective equipment. (See “Exposure Control”).

Keep away from drains, surface and ground water, and soil.

Dike spill area to prevent spill from spreading. Absorb the spilled material with an inert absorbent such as granular clay or sawdust. Shovel or sweep the spilled material into covered containers for proper disposal (See “Waste disposal”).

Rinse the spill area and any tools or implements several times with soapy water. Contain and absorb this rinsate with inert absorbents and place into the same disposal container as the spilled material.

Spills to the soil can be shovelled directly into covered containers for disposal. Depending on local spill reporting requirements and the amount released into the environment, it may be necessary to notify the regulatory authorities.

HANDLING AND STORAGE Do not contaminate water, food, or feed by storage or disposal. Store in secure, dry, well-ventilated area separate room, building or covered area.

Not for use or storage in or around the home.

Keep away from sources of ignition and protect from exposure to fire and heat.

Segregate from oxidizers and incompatible materials listed in the Reactivity Data Section.

EXPOSURE CONTROL/ PERSONAL During formulation of this product please use the following recommended good industrial hygiene practices:

Wear chemical splash goggles and face shield to prevent contact with eyes.
Wash thoroughly with soap and water after handling.
Remove contaminated clothing and wash before reuse.

PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------|---------------------------------------|
| APPEARANCE AND ODOUR: | Dark liquid, free from foreign matter |
| BOILING POINT: | Not available |
| VAPOUR PRESSURE: | Not available |
| DENSITY: | 1.06 g/ml @ 20° C |
| VAPOUR DENSITY: | Not available |
| pH: | 6.0 – 7.5 (neat) |
| SOLUBILITY IN WATER: | Miscible |
| VISCOSITY: | Not available |
| FREEZING POINT: | Not available |

STABILITY AND REACTIVITY

| | |
|-----------------------------------|---------------------------------|
| STABILITY: | Thermally and chemically stable |
| CONDITIONS TO AVOID: | None known |
| POLYMERIZATION: | Does not occur |
| CONDITIONS TO AVOID: | None known |
| INCOMPATIBLE MATERIALS: | None known |
| HAZARDOUS DECOMPOSITION PRODUCTS: | None known. |

TOXICOLOGICAL INFORMATION ACUTE TOXICITY DATA:

Acute Toxicity

Rat oral LD₅₀ (mg/kg): >5000, based on a similar formulation

Rat dermal LD₅₀ (mg/kg): >2000, based on a similar formulation

Irritation:

Skin: Dermal exposure is not expected to cause significant irritation based on results for a similar formulation.

Eyes: Eye contact is expected to cause significant irritation based on results from a similar formulation.

Sensitization: Not a dermal sensitizer based on formulation component information.

ECOLOGICAL INFORMATION

Appraisal: No ecotoxicity data exists for this particular formulation. Based on standard laboratory tests with other formulations containing the same active ingredient, this formulation will likely be harmless to fish, aquatic invertebrates, honeybees, and harmful to algae.

DISPOSAL CONSIDERATIONS

To avoid disposal, all attempts should be made to use this product completely, in accordance with its registered use. If this is not possible, handle with care and dispose in a safe manner.

Follow all applicable community, national or regional regulations regarding waste management methods.

Empty containers or liners may retain some product residues. DO NOT REUSE. Rinse the container or liner as needed for disposal. Render it unusable by crushing or puncturing. Dispose of the container and any rinsate in a safe manner.

TRANSPORT INFORMATION

IMO REGULATORY INFORMATION

IMO HAZARDOUS DESCRIPTION - Not regulated

IMO LABEL –

| IMO | UN | | Package Instructions/ Max Net Qty Per Pkg | |
|-----------------------|---------------|--------------|--|--------------|
| <u>CLASS/DIVISION</u> | <u>NUMBER</u> | <u>GROUP</u> | <u>Passenger</u> | <u>Cargo</u> |

IATA REGULATORY INFORMATION

IATA HAZARDOUS DESCRIPTION – Not Regulated

IATA LABEL –

| IATA | UN | | Package Instructions/ Max Net Qty Per Pkg | |
|-----------------------|---------------|--------------|--|--------------|
| <u>CLASS/DIVISION</u> | <u>NUMBER</u> | <u>GROUP</u> | <u>Passenger</u> | <u>Cargo</u> |

PROPER SHIPPING NAME: Not Dangerous

CLASS/ITEM:

LABEL:

PACKING GROUP/EXCEPTIONS:

REGULATORY

Symbol:

INFORMATION "Xi" Irritant

Risk Phrases:

R-36 Irritating to eyes.

Safety Phrases:

S-02 Keep out of reach of children.

S-13 Keep away from food, drink and animal feeding stuffs.

S-20/21 When using do not eat, drink or smoke.

S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

OTHER INFORMATION None known

APPENDIX

HATCHET IS A TRADEMARK OF VOLCANO

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein.

NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.

Last Revision Date: 4/20/92

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|-------------------------|----------------------------|
| SOURCE AND | SHEET NO.: IN7027-2 |
| DATE INFORMATION | DATE: FEB 20, 1997 |
