

AMID-THIN®W

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: AMID-THIN®W
Other identifier: 1-Naphthaleneacetamide
Recommended use: Plant growth regulator
Restrictions on use: Agriculture

Supplier: Universal Crop Protection (Pty) Ltd.
Co. Reg. No.: 1983/008184/07
 PO Box 801,
 Kempton Park, 1620, South Africa
Telephone: (011) 396 2233
Fax: (011) 396 4666
Website: www.villacrop.co.za

Emergency telephone numbers:
24 Hr Transport / Spill emergency no:
 (Hazcall24) +27 86 044 4411
 (Client: Villa Crop Protection)
 Griffon Poison Information Centre +27 82 446 8946
 (Client: Villa Crop Protection)
Poisoning Emergency telephone numbers:
 Griffon Poison Information Centre +27 82 446 8946
 Poisons Information Centre +27 861 555 777

2. HAZARDS IDENTIFICATION

The most important adverse effects:
Physicochemical effects: None known.
Human health effects: None known.
Label elements: No label elements.
Signal word: No signal word.
Hazard statements: No hazard statements.
Precautionary statements: No precautionary statements.
Other hazards: None known.
Toxicity: Classification according to GHS: Unclassified

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture
Composition: No hazardous components within this mixture.

4. FIRST AID MEASURES

Reactions are not likely to occur unless the absorbed dose is extraordinary.
Inhalation: Remove source of contamination or move person to fresh air. Keep person warm and at rest. Treat symptomatically and supportively as and when required.

Ingestion: Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

Skin contact: Remove contaminated clothing. Wash thoroughly with soap and clean water. If a rash or any of the symptoms appear, get medical attention.

Eye contact: Immediately flush the contaminated eyes with gently flowing lukewarm water for 15 to 20 minutes, occasionally lifting the upper and lower lids. Obtain medical attention if irritation develops and persists.

Note to physician: No specific antidote is available. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water fog, foam, dry chemical powder and carbon dioxide (CO₂).

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards: During fire, gases hazardous to health may be formed.

Special fire-fighting procedures: Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use a recommended extinguishing agent for the type of surrounding fire. Contain fire control agents for later disposal. Avoid inhaling hazardous vapours and fumes from burning materials. Keep upwind. 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. Material can be slippery when wet.

Personal protective equipment: This product will emit hazardous fumes and smoke when heated excessively or burned. Fire-fighters and others that may be exposed should wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation.

Protective equipment: For personal protection see Section 8.

Emergency procedures: Material can be slippery when wet. Local authorities should be advised if significant spillages cannot be contained.

Environmental precautions: Do not allow to enter drains or water courses. When the product contaminates public waters, inform appropriate authorities in accordance with local regulations.

Methods and Materials for containment: Stop the flow of material, if this is without risk.

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Methods and Materials for clean-up: Following product recovery, flush area with water. Put material in suitable, covered, labelled containers. For waste disposal, see Section 13 of the SDS. Avoid the generation of dusts during clean-up. Shovel up and place in a container for salvage or disposal. Do not get water inside containers.

To decontaminate spill area, tools and equipment, wash with a suitable solution (i.e. organic solvent, detergent bleach or caustic). Add the solution to the drums already collected. Label drums with its content and dispose it in accordance with local regulations.

7. HANDLING AND STORAGE REQUIREMENTS

Handling:

Precautions for safe handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use with adequate ventilation. Wear appropriate personal protective equipment. Water used to clean equipment must be disposed of correctly to avoid contamination.

General occupational hygiene: Wash hands before eating, drinking, chewing gum, smoking, or using the toilet.

Storage:

Conditions for safe storage: Store locked up away from children, uniformed persons and animals. Store in its original labelled container in shaded, well-ventilated area, away from heat, sparks and other sources of ignition. Not to be stored next to foodstuffs and water supplies. Local regulations should be complied with.

Incompatible substances and mixtures: Strong oxidizing materials.

Packaging material: Plastic containers, sealed foil bags, woven bags or 3 ply paper bags.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Permissible concentration: None known.

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: If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable personal protective equipment including approved respiratory protection.

Respiratory protection: An approved respirator suitable for protection from dusts and mists of pesticides is adequate. Limitations of respirator use specified by the

approved agency and the manufacturer must be observed.

Hand protection: Wear appropriate chemical resistant gloves.

Eye protection: The use of safety goggles is recommended.

Skin and body protection: Use of an impervious apron is recommended. Normal work clothing (long sleeved shirts and long pants) is recommended.

Emergency eye wash: Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to light yellow powder.

Odour: Musty odour.

Odour threshold: Not available.

pH (1% aqueous dilution): Neutral as saturated solution.

Melting point: Not applicable.

Freezing Point: Not applicable.

Boiling Point: Not applicable.

Flash Point: Not available.

Flammability: Not available.

Upper / lower explosion limits: Not available.

Vapour Pressure (mm Hg): Not available.

Relative Vapour Density: Not available.

Density / Relative density: Not available.

Solubility: Disperses in water.

n-octanol / water partition coefficient: Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Viscosity: Not available.

10. STABILITY AND REACTIVITY

Chemical stability: Stable for a period of 2 years under normal storage and use conditions.

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Keep the product in a cool, dry place, at below 30°C. Contact with incompatible materials.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Emits hazardous fumes and smoke of unknown composition when heated to decomposition or burned.

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11. TOXICOLOGICAL INFORMATION

Acute oral LD₅₀: > 10 000 mg/kg for rats
Acute dermal LD₅₀: > 5000 mg/kg for rabbits
Acute inhalation LC₅₀: >147 mg/l for rats
Skin irritation / corrosion: Prolonged skin contact may cause temporary irritation.
Eye damage / irritation: Direct contact with eyes may cause temporary irritation.
Skin Sensitization: Not a skin sensitizer.
Respiratory Sensitization: Not a respiratory sensitizer.
Reproductive cell mutagenicity: Based on available data, the classification criteria is not met.
Carcinogenicity: Not classified.
Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity – single exposure: Not classified.
Specific target organ toxicity – repeated exposure: Not classified.
Aspiration hazard: Not an aspiration hazard.
Chronic effects: Causes damage to organs through prolonged or repeated exposure.

POTENTIAL ADVERSE EFFECTS:

Skin contact: Prolonged skin contact may cause temporary irritation.
Eye contact: Direct contact with eyes may cause temporary irritation.
Ingestion: May cause discomfort if swallowed.

12. ECOLOGICAL INFORMATION

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability: No data is available on the degradability of any ingredients in the mixture.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Other adverse effects: No other adverse environmental effects are expected from this component.

13. DISPOSAL CONSIDERATIONS

Waste: Open dumping or burning of this pesticide is prohibited. Waste resulting from the use of this product that cannot be reused or reprocessed. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Comply with local legislation applying to waste disposal.

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

TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:

Plastic container:

Invert the empty container over the spray or mixing tank. Thereafter rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler (www.croplife.co.za). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.

Foil or paper bag:

Shake all the pesticide formulation out of the bag into the spray or mixing tank. Turn the bag inside out. Hold the bag over the spray or mixing tank and rinse the bag with running water for thirty seconds. Shake the rinsate off into the tank. Repeat the rinsing twice. Cut the bag into pieces and dispose of via normal refuse disposal. Do not bury, burn or donate the bag to any other parties that may use it as a container for foodstuffs.

Comply with any local legislation applying to disposal.

14. TRANSPORT INFORMATION

UN NUMBER: Not regulated.

Special / Environmental Precautions: Wedge drums tightly to avoid movement.

Transport in bulk: Refer to MARPOL 73/78, Annex II and the IBC code.

15. REGULATORY INFORMATION

Safety, health and environmental regulations / legislation for the mixture:

OHSA 1993 Regulations for Hazardous Chemical Substances.

Relevant information regarding restrictions: None.

EU regulation: Regulation EC1272/2008 (EU-GHS/CLP)

Other national regulations: None.

Chemical Safety Assessment carried out? No

16. PACKING AND LABELLING

Packaging: Packed in 1 kg, 2 kg & 5 kg plastic containers; in 1 kg, 2 kg & 5 kg sealed foil bags and 20 &

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25 kg woven bags or 3 ply paper bags and labelled according to South African regulations and guidelines.

Other hazard statements, abbreviations and explanations:

IATA: International Air Transport Association.

IBC: International Bulk Chemical.

ICAO: International Civil Aviation Organization.

IMDG: International Maritime Dangerous Goods

IMO: International Maritime Organization.

LD₅₀ value: The median lethal dose or the amount of a toxic agent that is sufficient to kill 50 percent of a population within a certain period of time.

TWA: Time-weighted average – The average exposure over a specified period, usually a nominal eight hours.

ST/STEL: Short-term exposure limits.

Disclaimer: The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed.

All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof.

END OF DOCUMENT

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For detailed information on revisions, contact the Registration holder.