

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: YATES BASAMID GRANULES

Recommended Use: Soil fumigant for the control of fungi, nematodes, soil insects and weed seeds in vegetable gardens, flower beds and glasshouses.

Supplier: Yates New Zealand, a division of DuluxGroup (New Zealand) Pty Ltd
ABN 55 133 404 118
Co. 2355191

Street Address: The Gate Industrial Park,
373 Neilson St, Onehunga
Auckland, New Zealand

Telephone Number: +64 9 636 2800

Facsimile: +64 9 636 2802

Emergency Telephone: 0 800 734 607 (ALL HOURS)

2. HAZARDS IDENTIFICATION

Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.



Subclasses:

- Subclass 6.1 Category C - Substances which are acutely toxic.
- Subclass 6.3 Category B - Substances that are mildly irritating to the skin.
- Subclass 6.4 Category A - Substances that are irritating to the eye.
- Subclass 6.5 Category B - Substances that are contact sensitisers.
- Subclass 6.8 Category B - Substances that are suspected human reproductive or developmental toxicants.
- Subclass 6.9 Category A - Substances that are toxic to human target organs or systems.
- Subclass 9.1 Category A - Substances that are very ecotoxic in the aquatic environment.
- Subclass 9.2 Category C - Substances that are harmful in the soil environment.
- Subclass 9.3 Category B - Substances that are ecotoxic to terrestrial vertebrates.

Safety Data Sheet



Hazard and Precautionary Information:

Signal Word: Danger.

Hazard Statements:

Toxic if swallowed. Causes mild skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Harmful to the soil environment. Toxic to terrestrial vertebrates.

Precautionary Statements:

Keep out of reach of children. Read label before use. Read Safety Data Sheet before use. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands, arms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. Avoid release to the environment. If medical advice is needed, have product container or label at hand. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Specific treatment (see First Aid Measures on this Safety Data Sheet). Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before re-use. IF exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. Collect spillage. Store locked up. In case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Risk Phrases
Dazomet	533-74-4	>96%	R22 R36 R50/53

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Seek medical advice if effects persist.

Skin Contact:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Eye Contact:

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

Ingestion:

If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

Medical attention and special treatment:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazards from combustion products:

Combustible solid.

Precautions for fire fighters and special protective equipment:

On burning will emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable Extinguishing Media:

Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

Hazchem Code: 2X

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:

If contamination of sewers or waterways has occurred advise local emergency services.

Methods and materials for containment and clean up:

Wear protective equipment to prevent skin and eye contact. Avoid breathing in dust. Work up wind or increase ventilation. Collect and seal in properly labelled containers or drums for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Keep out of reach of children. Avoid contact during pregnancy. Avoid skin and eye contact and breathing in dust.

Avoid handling which leads to dust formation. In common with many organic chemicals, may form flammable dust clouds in air. For precautions necessary refer to Safety Data Sheet "Dust Explosion Hazards".

Conditions for safe storage: Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH). However, Workplace Exposure Standard(s) for particulates:

Particulates not otherwise classified: 8hr WES-TWA 10 mg/m³ (inhalable dust) or 3 mg/m³ (respirable dust)

As published by the New Zealand Occupational Safety and Health Service (OSH).

WES - TWA (Workplace Exposure Standard - Time Weighted Average) - The eight-hour, time-weighted average exposure standard is designed to protect the worker from the effects of long-term exposure.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering controls:

Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Personal Protective Equipment:

Avoid contact with eyes and skin and breathing in dust. Wear rubber gloves while handling the product. Wash hands and exposed skin thoroughly after use. Wash contaminated clothing and other protective equipment before storage or re-use. Always wash hands before smoking, eating, drinking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Granules
Colour:	White to Yellowish
Odour:	Characteristic
Solubility:	Soluble in water.
Specific Gravity:	650-800 kg/m ³ (bulk density)
Relative Vapour Density (air=1):	Not applicable
Vapour Pressure (20 °C):	Not applicable
Flash Point (°C):	Not applicable
Solubility in water (g/L):	3.6
Melting Point/Range (°C):	104 approx.

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Avoid exposure to heat, sources of ignition, and open flame. Avoid dust generation.
Incompatible materials:	Incompatible with strong oxidising agents.
Hazardous decomposition products:	Oxides of carbon. Oxides of nitrogen. Oxides of sulfur.
Hazardous reactions:	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	Swallowing can result in nausea, vomiting, diarrhoea, and abdominal pain.
Eye contact:	An eye irritant.
Skin contact:	Contact with skin will result in irritation. May cause skin sensitisation in sensitive individuals. Repeated or prolonged skin contact may lead to allergic contact dermatitis.
Inhalation:	Breathing in dust may result in respiratory irritation.

Long Term Effects:

May cause harm to the unborn child. May impair fertility.

Toxicological Data: No LD50 data available for the product. However, for Dazomet (1):

Product Name: YATES BASAMID GRANULES
Substance No: 000000020871

Issued: 16/07/2012
Version: 3

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Oral LD50 (rat): 520 mg/kg
Dermal LD50 (rabbit): >2000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways and fishponds. Do not apply over, or allow dust to drift over an aquatic environment or outside the target area. Keep children, pets, wildlife and birds off treated areas until all traces of the gas have been removed.

Aquatic toxicity: Very toxic to aquatic organisms. For Dazomet (1) :

48hr EC50 (Daphnia magna): 0.3 mg/L

96hr LC50 (fish): 0.16 mg/L

Terrestrial toxicity: Toxic to terrestrial species.

415 mg/kg

13. DISPOSAL CONSIDERATIONS

Disposal methods:

Refer to local government authority for disposal recommendations. Empty container completely, crush and dispose of safely with domestic rubbish.

14. TRANSPORT INFORMATION

Road and Rail Transport

Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.



UN No: 2588
Class-primary 6.1 Toxic
Packing Group: III
Proper Shipping Name: PESTICIDE, SOLID, TOXIC, N.O.S. (CONTAINS DAZOMET)
Hazchem Code: 2X

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.

UN No: 2588
Class-primary: 6.1 Toxic
Packing Group: III
Proper Shipping Name: PESTICIDE, SOLID, TOXIC, N.O.S. (CONTAINS DAZOMET)

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN No: 2588
Class-primary: 6.1 Toxic

Product Name: YATES BASAMID GRANULES
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Packing Group: III
Proper Shipping Name: PESTICIDE, SOLID, TOXIC, N.O.S. (CONTAINS DAZOMET)

15. REGULATORY INFORMATION

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Subclasses:

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16. OTHER INFORMATION

(1) In: 'The Pesticide Manual'. 13th Edition. Ed. CDS Tomlin. British Crop Protection Society, 2003.

Reason(s) for Issue:

Revised Primary SDS

This safety data sheet has been prepared by SDS Services.

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since DuluxGroup Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their DuluxGroup representative or DuluxGroup Limited at the contact details on page 1.

DuluxGroup Limited's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.