

1. CHEMICAL IDENTIFICATION AND COMPANY INFORMATION

Product Identifiers

Product Name: meta-Topolin
Product Number: T841

Other means of identification

Synonyms: 6-(3-Hydroxybenzylamino)purine

Recommended Use For Research/Laboratory Use ONLY

Restrictions on Use Products manufactured by PhytoTechnology Laboratories and supplied by Austratec Pty Ltd are intended for research and laboratory use ONLY. Products are NOT to be used as human or animal therapeutics, cosmetics, agricultural or pesticidal products, food additives, or as household chemicals.

Details of Importer/Supplier

Company: Austratec Pty Ltd, Factory 12/49 Corporate Blvd, Bayswater VIC 3153, AUSTRALIA
Telephone: +61 3 9729 4528
Fax: +61 3 9729 4578
Website: www.austratec.com.au

Emergency phone number 13 11 26 (24 hour – Poisons Information Centre)

2. HAZARD(S) IDENTIFICATION

GHS Classification Acute Toxicity Oral (Category 4)
Acute Toxicity Dermal (Category 4)
Specific Target Organ Toxicity - single exposure (Category 3)

GHS Label elements, including precautionary statements

Pictogram:  Signal Word: **WARNING**

Hazard Statement(s) H302 – Harmful if swallowed
H312 – Harmful in contact with skin
H335 – May cause respiratory irritation

Precautionary statement(s)

Prevention: P261: Avoid breathing dust
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product
P271: Use only outdoors or in a well-ventilated area
P280: Wear protective gloves/protective clothing/eye protection.

Response: P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P330: Rinse mouth.
P337 + P313: If eye irritation persists: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.

Storage: P403 + P233: Store in a well-ventilated place. Keep container tightly closed
P405: Store locked up

Disposal: P501: Dispose of contents/container to an approved chemical disposal facility.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

CAS Number: 75737-38-1 EC Number: None
Formula: C₁₂H₁₀N₅OH Molecular Weight: 241.25 g/mol

| INGREDIENT | CAS NUMBER | PERCENTAGE | HAZARDOUS |
|--------------|------------|------------|---|
| meta-Topolin | 75737-38-1 | >99% | No exposure limits established by OSHA or ACGIH |

4. FIRST AID MEASURES

Description of first aid measures

General advice: Consult a doctor/physician. Show this safety data sheet to the doctor in attendance.

Ingestion: MAY CAUSE IRRITATION IF SWALLOWED. If swallowed, wash mouth out with water. Never give anything by mouth to an unconscious person. Seek medical attention.

Inhalation: MAY CAUSE IRRITATION TO RESPIRATORY TRACT. Safely remove person to fresh air. If not breathing, begin cardiopulmonary resuscitation (CPR). If breathing is difficult, ensure clear airway and give oxygen. Seek medical attention.

Eye contact: DIRECT CONTACT MAY CAUSE IRRITATION, REDNESS, TEARING, OR BLURRED VISION. Flush eye out immediately with water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical attention if irritation persists.

Skin contact: MAY CAUSE IRRITATION, REDDENING, ITCHING OR INFLAMATION. Wash area thoroughly with soap and water. Remove and wash contaminated clothing. Seek medical attention.

Most important symptoms and effects, both acute and delayed

See section 2 and/or section 11

Recommendation for immediate medical attention and special treatment needed

No data available

5. FIRE FIGHTING MEASURES

Suitable extinguishing media Water spray, carbon dioxide, dry chemical powder, or appropriate foam. Use extinguishing media suitable for surrounding fire.

Specific hazards arising from the chemical

Hazardous combustion products: May emit toxic fumes under fire conditions.

Toxic gases produced: Carbon dioxide, carbon monoxide and nitrogen oxides

Special protective equipment and precaution for firefighters

In the event of fire, wear full protective clothing and NIOSH (US) or EN145 (EU) approved self contained breathing apparatus. Evacuate the area and fight fire from a safe distance.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protection equipment (PPE) recommended in Section 8. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation especially in confined areas. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleanup

Wear suitable protective clothing. Avoid dust formation. Carefully sweep up and remove. Place in a dry container and cover. Remove from area for safe disposal (see section 13).

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid dust formation and aerosols. Avoid incompatible substances. Provide appropriate exhaust ventilation where dust is formed. Wash thoroughly after use.

Conditions for safe storage

Keep in a tightly closed container and store in a cool, dry and well ventilated area.

Recommended Storage Temperature

- 20 to 0 °C

Incompatibilities

Strong oxidizing agents, strong acids

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure control measures

Australian Exposure Standards (TWA;STEL): No data available

OSHA's permissible exposure limits (PEL's): No data available

ACGIH threshold limit values (TLV's): No data available

Engineering controls

Handle in accordance to general industrial hygiene and chemical safety practice.

Personal protective equipment (PPE)

Eye Face Protection: Chemical safety shield, glasses or goggles approved under NIOSH (US) or EN166 (EU). Have eye washing facilities readily available where eye contact can occur.

Skin Protection: Suitable protective gloves.

Body Protection: Lab coat or protective chemical suit. Protective equipment must be selected in accordance to the amount of dangerous substance within the specific workplace.

Respiratory Protection: Use an appropriate dust mask. Use N95 (US) or type P1 (EN143) dust mask where dust level is a nuisance. Appropriate respirator approved under NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance White to off-white powder

Odour Odorless

Odour threshold No data available

| | |
|--|------------------------|
| pH | No data available |
| Melting point | 284 – 286 °C |
| Initial boiling point/boiling range | No data available |
| Flash point (closed cup) | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Flammable limits (upper %) | No data available |
| Flammable limits (lower %) | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Relative density | No data available |
| Solubility | Soluble in NaOH or KOH |
| Partition coefficient (n-octanol/water) | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | No data available |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | No data available. |
| Chemical stability | Stable under normal conditions of use and recommended storage conditions. |
| Possibility of hazardous reactions | Will not occur |
| Conditions to avoid | Moist air. |
| Incompatible materials | Strong oxidizing agents, strong acids |
| Hazardous decomposition products | Carbon dioxide and carbon monoxide and nitrogen oxides |

11. TOXICOLOGICAL INFORMATION

| | | |
|--|---|-------------------|
| Acute toxicity | LD ₅₀ (Oral, Rat)(mg/Kg): | No data available |
| | LD ₅₀ (Oral, Mouse)(mg/Kg): | No data available |
| | LD ₅₀ (Dermal, Rabbit)(mg/Kg): | No data available |
| Skin corrosion/irritation | No data available | |
| Serious eye damage/irritation | No data available | |
| Respiratory or skin sensitisation | No data available | |
| Germ cell mutagenicity | No data available | |
| Carcinogenicity | NTP: | No |
| | IARC: | No |

Z List: No
OSHA Reg: No

Reproductive toxicity No data available.

Specific target organ toxicity (STOT) Single Exposure: No data available
Repeated Exposure: No data available

Aspiration hazard No data available

Target organs No data available

Medical conditions aggravated by exposure No data available

Routes of entry Inhalation, Ingestion, skin and eye contact

Symptoms associated with overexposure Irritation, itching, gastrointestinal upset,

NIOSH/RTECS No. Not Listed

The toxicological properties of this product have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Ecotoxicity No data available

Persistence and degradability No data available

Bioaccumulative potential No data available

Mobility in soil No data available

Other adverse effects No data available

13. DISPOSAL CONSIDERATIONS

Disposal procedure Dispose in accordance with all applicable government, state, and environmental chemical safety practices.

EPA hazardous waste number No data available

14. TRANSPORT INFORMATION

UN number ADG: Non-Dangerous Goods
IMDG: Non-Dangerous Goods
IATA: Non-Dangerous Goods

Proper shipping/technical name Non-Dangerous Goods.

Hazard Class No data available

Packing group No data available

Environmental hazards No data available

Special precautions No data available

Hazchem Non-Dangerous Goods

15. REGULATORY INFORMATION

Notification Status

Australia (AICS): Not determined

New Zealand (NZIoC): Not determined

USA (TSCA): Not determined

SARA TITLE III: Section 302 (EHS) Ingredients: No
Section 313 Ingredients: No
Section 304 (EHS/CERCLA) Ingredients: No
Section 311/312 Hazard: No SARA hazards.

16. OTHER INFORMATION

| | | | | |
|--------------|---------------|-----------------------|-------------------|-----------------|
| HMIS Rating: | Health Hazard | Chronic Health Hazard | Flammability | Physical Hazard |
| | 1 | | 0 | 0 |
| NFPA Rating: | Health Hazard | Fire Hazard | Reactivity Hazard | Special Hazard |
| | 1 | 0 | 0 | |

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