



SAFETY DATA SHEET

Preparation Date 30-Apr-2008

Revision Date 02-Oct-2014

Revision Number 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name **SPROUT NIP PELLET (US)**

Other means of identification

Product Code 2151500
CAS Number 101-21-3
Formula C₁₀H₁₂ClNO₂
Synonyms Chlorpropham; Isopropyl M-Chlorocarbamate; Isopropyl 3-Chlorophenylcarbamate; 1-Methylethyl (3-Chlorophenyl)Carbamate
UN-No UN3077
EPA Registration Number 2749-520

Recommended use of the chemical and restrictions on use

Recommended Use Agriculture
Uses advised against Repeated contact with food. Avoid prolonged contact with eyes, skin, and clothing.

Details of the supplier of the safety data sheet

Supplier Address ACETO AGRICULTURAL CHEMICALS CORPORATION
4 Tri Harbor Court
Port Washington, NY 11050-4661
Phone: (516) 627-6000
Fax: (516) 627-6093
Email: aceto@aceto.com

Emergency Telephone Number(s)

ChemTrec: 1-800-424-9300 Outside of the United States: 1-703-527-3887

2. HAZARDS IDENTIFICATION

Classification

| | |
|---|------------|
| Acute Toxicity - Oral | Category 3 |
| Acute Toxicity - Dermal | Category 4 |
| Acute toxicity - Inhalation (Gases) | Category 3 |
| Acute toxicity - Inhalation (Vapors) | Category 3 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 3 |
| Carcinogenicity | Category 2 |

Specific target organ toxicity (repeated exposure)

Category 2

Label elements**Emergency Overview****Signal Word****DANGER****Hazard statements**

Toxic if swallowed

Harmful in contact with skin

Toxic if inhaled

Suspected of causing cancer

May cause damage to organs through prolonged or repeated exposure

**Appearance**

Light brown Crystalline

Physical State

Solid

Odor

No information available

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Use only outdoors or in a well-ventilated area

Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Specific treatment (see supplemental first aid instructions on this label)

IF ON SKIN: Wash with plenty of soap and water

Call a POISON CENTER or doctor/physician if you feel unwell

Wash contaminated clothing before reuse

Call a POISON CENTER or doctor/physician

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Rinse mouth

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None known

Other Information

• Toxic to aquatic life with long lasting effects

2 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms Chlorpropham; Isopropyl M-Chlorocarbamate; Isopropyl 3-Chlorophenylcarbamate; 1-Methylethyl (3-Chlorophenyl)Carbamate

Formula C₁₀H₁₂ClNO₂

| Chemical Name | CAS-No | Weight % | North American Hazard Indicator |
|-------------------|----------|----------|---|
| Chlorpropham | 101-21-3 | 98 | Supplement 7 [1987]; Monograph 12 [1976] |
| Other Ingredients | N/A | 2 | False |

4. FIRST AID MEASURES

First Aid Measures

General Advice Show this safety data sheet to the doctor in attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician or Poison Control Centre immediately.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Call a physician or Poison Control Centre immediately.

Inhalation Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician or Poison Control Centre immediately.

Ingestion Do not induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Centre immediately.

Protection of First-aiders Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Most important symptoms and effects, both acute and delayed

Main Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Water spray. Carbon dioxide (CO₂). Dry powder. Foam.

Unsuitable Extinguishing Media No information available.

Hazardous Combustion Products Thermal decomposition or combustion may produce hazardous gases and/or materials.

Explosion Data

Sensitivity to mechanical impact Not available.

Sensitivity to static discharge Not available.

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapours.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Evacuate personnel to safe areas. Use personal protective equipment. Avoid contact with skin, eyes and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental Precautions

Local authorities should be advised if significant spillages cannot be contained. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

Methods and material for containment and cleaning up

Methods for Cleaning up

Evacuate personnel to safe areas. Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly. Prevent product from entering drains.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling

Use only in an area equipped with a safety shower. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation. Do not breathe vapours/dust. Avoid contact with skin, eyes and clothing. Avoid repeated exposure. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers. Keep out of the reach of children.

Incompatible Materials

Strong oxidizing agents. Strong bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--------------------------|-----------|----------|------------|
| Chlorpropham 101-21-3 | - | - | - |
| Other Ingredients N/A | - | - | - |

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection Tightly fitting safety goggles.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory Protection In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations General industrial hygiene practice. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes and clothing. For environmental protection remove and wash all contaminated protective equipment before re-use. Wash hands before breaks and at the end of workday. For additional information consult the EPA Pesticide Label.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance Light brown Crystalline
Physical State Solid
Odor No information available
Odor Threshold No information available

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--|--------------------------|--------------------------|
| pH | No data available | |
| Melting/freezing point | 36 - 49 °C | Literary Reference |
| Boiling Point/Range | 256 - °C | |
| Flash Point | No data available | No information available |
| Evaporation Rate | Not available | |
| Flammability Limits in Air | | |
| upper flammability limit | No information available | |
| lower flammability limit | Not available | |
| Vapor Pressure | 0.024 Pa@ 20°C | |
| Vapor Density | Not available | |
| Specific Gravity | 1.29 | |
| Water Solubility | (@pH7) 110 mg/L @20°C | |
| Solubility in other solvents | No information available | |
| Partition coefficient: n-octanol/water | (@pH7) log Pow=3.76@20°C | |
| Autoignition temp (°C) | No data available | Estimated |
| Decomposition temperature | No data available | |
| Viscosity, kinematic | No information available | |
| Viscosity, dynamic | Not available | |
| Explosive Properties | No information available | |
| Oxidizing Properties | No information available | |

Other Information

Softening Point No information available
Molecular Weight 213.7
VOC Content No information available
Density No information available
Bulk Density No information available

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | Not applicable. |
| Chemical Stability | Stable under normal conditions |
| Hazardous Polymerization | Hazardous polymerisation does not occur |
| Conditions to Avoid | Heat, flames and sparks. |
| Incompatible Materials | Strong oxidizing agents. Strong bases. |
| Hazardous Decomposition Products | Carbon monoxide. Carbon dioxide (CO ₂). Nitrogen Oxides (NO _x). Hydrogen chloride gas. Chloroanilines. Isocyanates. |
| Possibility of Hazardous Reactions | None under normal processing |

11. TOXICOLOGICAL INFORMATION

Product Information To the best of our knowledge, the complete toxicological properties have not been thoroughly investigated.

LD50 Dermal: > 2,000 mg/kg; (rabbit)
LC50 Inhalation: > 476 mg/m³

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|--------------------------|-----------------------------|-------------|-----------------|
| Chlorpropham 101-21-3 | = 4,200 mg/kg Oral LD50 Rat | - | - |
| Other Ingredients N/A | | - | - |

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 102 mg/kg
ATEmix (dermal) 1122 mg/kg

Information on likely routes of exposure

| | |
|-------------------|--|
| Eyes | Irritating to eyes. Avoid contact with eyes. |
| Skin | Harmful in contact with skin. Substance may cause slight skin irritation. Avoid contact with skin. |
| Inhalation | Harmful by inhalation. May cause irritation of the mucous membranes. May cause irritation of respiratory tract. Avoid breathing vapors or mists. |
| Ingestion | Harmful if swallowed. Harmful: danger of serious damage to health by prolonged exposure if swallowed. Do not ingest. |

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Limited evidence of a carcinogenic effect.

Eye damage/irritation No information available.

| | |
|----------------------------------|--|
| Skin Corrosion/Irritation | No information available. |
| Sensitization | No information available. |
| Reproductive Effects | No information available. |
| Mutagenic Effects | No information available. |
| Developmental Effects | No information available. |
| STOT - single exposure | No information available. |
| STOT - Repeated Exposure | No information available. |
| Chronic Toxicity | Limited evidence of a carcinogenic effect. |
| Target Organ Effects | Liver, Spleen, Bone Marrow. |
| Aspiration Hazard | No information available. |

Numerical measures of toxicity - Product Information

| | |
|--------------------------------------|--|
| Acute Toxicity | 2 % of the mixture consists of ingredient(s) of unknown toxicity |
| ATEmix (inhalation-gas) | 714 mg/L |
| ATEmix (inhalation-dust/mist) | 0.5 mg/L |
| ATEmix (inhalation-vapor) | 3 mg/L |
| LD50 Dermal: | > 2,000 mg/kg (rabbit) |
| LC50 Inhalation: | > 476 mg/m ³ |

12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a marine pollutant according to DOT.

Ecotoxicity

There is no known ecological information for this product.

2 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

| | |
|---------------------------------------|---------------------------|
| Persistence / Degradability | No information available. |
| Bioaccumulation / Accumulation | Does not bioaccumulate. |
| Mobility in Soil | No information available. |

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

| | |
|------------------------------|---|
| Waste Disposal Method | Contact waste disposal services. Dispose of in accordance with local regulations. Dispose of in accordance to EPA Pesticide Label Instructions. |
|------------------------------|---|

| | |
|-------------------------------|--|
| Contaminated Packaging | Dispose of in accordance with local regulations. Dispose of in accordance to EPA Pesticide Label Instructions. |
|-------------------------------|--|

14. TRANSPORT INFORMATION

DOT

| | |
|--|---|
| UN-No | UN3077 |
| Proper Shipping Name | Environmentally hazardous substance, solid, n.o.s |
| Hazard Class | 9 |
| Packing Group | III |
| Marine Pollutant | This product contains a chemical which is listed as a marine pollutant according to DOT. |
| Description | UN3077, Environmentally hazardous substances, solid, n.o.s. (Chlorpropham), 9, PG III, Marine Pollutant |
| Emergency Response Guide Number | 171 |

TDG

| | |
|-----------------------------|---|
| UN-No | UN3077 |
| Proper Shipping Name | Environmentally hazardous substance, solid, n.o.s |
| Hazard Class | 9 |
| Packing Group | III |
| Marine Pollutant | This product contains a chemical which is listed as a marine pollutant according to TDG. |
| Description | UN3077, Environmentally hazardous substances, solid, n.o.s. (Chlorpropham), 9, PG III, Marine Pollutant |

MEX

| | |
|----------------------|---|
| UN-No | UN3077 |
| Hazard Class | 9 |
| Packing Group | III |
| Description | UN3077, Environmentally hazardous substance, solid, n.o.s. (Chlorpropham), 9, III |

ICAO

| | |
|-----------------------------|--|
| UN-No | UN3077 |
| Proper Shipping Name | Environmentally hazardous substance, solid, n.o.s |
| Hazard Class | 9 |
| Packing Group | III |
| Description | UN3077, Environmentally hazardous substance, solid, n.o.s. (Chlorpropham), 9, PG III, Marine Pollutant |

IATA

| | |
|----------------------|--|
| UN-No | UN3077 |
| Hazard Class | 9 |
| Packing Group | III |
| Description | UN3077, Environmentally hazardous substance, solid, n.o.s. (Chlorpropham), 9, PG III, Marine Pollutant |

IMDG/IMO

| | |
|-------------------------|--|
| UN-No | UN3077 |
| Hazard Class | 9 |
| Packing Group | III |
| EmS No. | F-A, S-F |
| Marine Pollutant | This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO |

| | |
|----------------------|---|
| Description | UN3077, Environmentally hazardous substance, solid, n.o.s.(Chlorpropham),9,PG III, Marine Pollutant |
| RID | |
| UN-No | UN3077 |
| Hazard Class | 9 |
| Packing Group | III |
| Classification Code | M7 |
| Description | UN3077 Environmentally hazardous substance, solid, n.o.s.(Chlorpropham),9,III,RID |
| ADR/RID-Labels | 9 |
| ADR | |
| UN-No | UN3077 |
| Proper Shipping Name | Environmentally hazardous substance, solid, n.o.s |
| Hazard Class | 9 |
| Packing Group | III |
| Classification Code | M7 |
| Description | UN3077 Environmentally hazardous substance, solid, n.o.s.(Chlorpropham),9,III,ADR |
| ADR/RID-Labels | 9 |
| ADN | |
| Proper Shipping Name | Environmentally hazardous substance, solid, n.o.s |
| Hazard Class | 9 |
| Packing Group | III |
| Classification Code | M7 |
| Special Provisions | 274, 909, 944 |
| Description | UN3077 Environmentally hazardous substance, solid, n.o.s.(Chlorpropham),9,III |
| Hazard Labels | 9 |
| Limited Quantity | 5 kg |

15. REGULATORY INFORMATION

International Inventories

| | |
|---------------------|-----------------|
| U.S.A. (TSCA) | Does not Comply |
| Canada (DSL) | Does not Comply |
| EU (EINECS) | Does not Comply |
| EU (ELINCS) | Does not Comply |
| Japan (ENCS) | Does not Comply |
| China | Does not Comply |
| Korea (KECL) | Does not Comply |
| Philippines (PICCS) | Does not Comply |
| Australia (AICS) | Does not Comply |

| Chemical Name | U.S.A. (TSCA) | Canada (DSL) | EU (EINECS) | EU (ELINCS) | |
|-------------------|------------------|--------------|--------------|---------------------|------------------|
| Chlorpropham | - | - | Present | - | |
| Other Ingredients | - | - | - | - | |
| Chemical Name | Japan (ENCS) | China | Korea (KECL) | Philippines (PICCS) | Australia (AICS) |
| Chlorpropham | Present (3)-3217 | Present | Present | - | Present |
| Other Ingredients | - | - | - | - | - |

This material as a whole is exempt from the TSCA Inventory // FIFRA Regulated Pesticide

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

| | |
|-----------------------------------|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | Yes |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

State Right-to-Know

This product does not contain any State Right-to-Know chemicals.

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

Canada**WHMIS Statement**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION**NFPA**

Health 1

Health 3

Flammability 0

Flammability 1

Instability 0

Physical Hazard 0

**Preparation Date**

30-Apr-2008

Revision Date

02-Oct-2014

Revision Summary

Not available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS