

SAFETY DATA SHEET



Issuing Date 27-Aug-2013

Revision Date 29-Jun-2018

Revision Number 5

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

Product Identifier

Product Name **SPROUT NIP SOLID**

Other means of identification

Product Code 2151602
CAS Number 101-21-3
Formula C10H12ClNO2
Synonyms Chlorpropham; Isopropyl M-Chlorocarbanilate; Isopropyl 3-Chlorophenylcarbamate; 1-Methylethyl (3-Chlorophenyl)Carbamate
UN-No UN3077

Recommended use of the chemical and restrictions on use

Recommended Use Agriculture
Uses advised against Avoid 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 (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
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a POISON CENTER or doctor/physician
 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

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Formula C10H12ClNO2

Chemical Name	CAS No	Weight-%	North American Hazard Indicator
Chlorpropham	101-21-3	100	Supplement 7 [1987]; Monograph 12 [1976]

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 center immediately.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Call a physician or poison control center immediately.

Inhalation Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician or poison control center immediately.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Self-Protection of the First Aider Use personal protective equipment as required. Avoid contact with eyes, skin and clothing.

Most important symptoms and effects, both acute and delayed

Signs and 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 Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides.

Explosion Data Not available

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 as required. Avoid contact with eyes, skin 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 into any sewer, on the ground or into any body of water. 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 Clean-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 eyes, skin 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 labeled containers. Keep out of the reach of children.

Incompatible Materials Strong Acids. Strong bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines This product, as supplied, 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	-	-	-

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tight sealing safety goggles.

Skin and body protection Use suitable eye protection and gloves.

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 eyes, skin 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.

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 point / Freezing point	36 - 49 °C	Literary Reference
Boiling point / boiling range	256 - °C	
Flash Point	No data available	No information available
Evaporation Rate		
Flammability (solid, gas)		
Flammability Limit 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 temperature °C	No data available	Estimated
Decomposition temperature	No data available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	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
Corrosion characteristics	No information available

10. STABILITY AND REACTIVITY

Reactivity	Not applicable.
Chemical Stability	Stable under normal conditions
Hazardous Polymerization	Hazardous polymerization does not occur
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	Strong Acids. 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

Dermal LD50	> 2,000 mg/kg; (rabbit)
LC50 Inhalation:	> 476 mg/m ³

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

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	Toxic by inhalation. May cause irritation of respiratory tract. Avoid breathing vapors or mists.
Ingestion	Toxic if swallowed. Harmful: danger of serious damage to health by prolonged exposure if swallowed. Do not take internally.

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.

Serious 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

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

12. ECOLOGICAL INFORMATION

Ecotoxicity

Persistence/Degradability	Biological degradability.
Bioaccumulation/Accumulation	Does not bioaccumulate.
Mobility in Soil	No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal Methods	Contact waste disposal services. Dispose of in accordance with local regulations.
Contaminated Packaging	Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

UN-No	UN3077
Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
Hazard Class	9
Packing Group	III
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) Complies
EU (ELINCS) Does not comply
Japan (ENCS) Complies
China (IECSC) Complies
Korea (KECL) Complies
Philippines (PICCS) Does not comply
Australia (AICS) Complies
Mexico INV Complies
Taiwan INV Complies

Chemical Name	U.S.A. (TSCA)	Canada (DSL)	EU (EINECS)	EU (ELINCS)	
Chlorpropham	-	-	X	-	
Component	Japan (ENCS)	China (IECSC)	Korea (KECL)	Philippines (PICCS)	Australia (AICS)
Chlorpropham 101-21-3 (100)	Present (3)-3217	Present	Present	-	Present
Chemical Name	Mexico INV		Taiwan INV		
Chlorpropham	Present		Present		

101-21-3

This material as a whole is exempt from the TSCA Inventory, FIFRA Regulated Pesticides, and Canadian PMRA Regulations.

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 Hazard Categories

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.

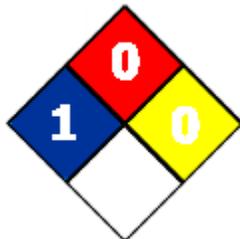
NFPA

Health 1

Flammability 0

Instability 0

Physical Hazard 0

**Issuing Date**

27-Aug-2013

Revision Date

29-Jun-2018

Revision Summary

Not available

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet