



Issuing Date 11-Mar-2022

Revision Date 11-Mar-2022

Revision Number 1

# SAFETY DATA SHEET

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

### Product Identifier

Product Name **Aceto Shield Pellets (US)**

### Other means of identification

**Product Code** 2151501  
**CAS Number** 101-21-3  
**Formula** C<sub>10</sub>H<sub>12</sub>ClNO<sub>2</sub>  
**Synonyms** Chlorpropham; Isopropyl M-Chlorocarbanilate; 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** Do not use where contact with food or drinking water is possible. Avoid prolonged contact with eyes, skin, and clothing.

### Details of the supplier of the safety data sheet

**Supplier Address** ACETO LIFE SCIENCES, LLC  
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 - 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 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  
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 INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician

**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**

C<sub>10</sub>H<sub>12</sub>ClNO<sub>2</sub>

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**

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician or poison control center immediately.
<b>Skin Contact</b>	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.
<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician or poison control center immediately.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.
<b>Self-Protection of the First Aider</b>	Use personal protective equipment as required. Avoid contact with eyes, skin and clothing.
<b><u>Most important symptoms and effects, both acute and delayed</u></b>	
<b>Signs and Symptoms</b>	No information available.
<b><u>Indication of any immediate medical attention and special treatment needed</u></b>	
<b>Notes to Physician</b>	Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b><u>Suitable Extinguishing Media</u></b>	Water spray. Carbon dioxide (CO <sub>2</sub> ). Dry powder. Foam.
<b><u>Unsuitable Extinguishing Media</u></b>	No information available.
<b><u>Hazardous Combustion Products</u></b>	Thermal decomposition or combustion may produce hazardous gases and/or materials.
<b><u>Explosion Data</u></b>	Not available
<b>Sensitivity to mechanical impact</b>	Not available.
<b>Sensitivity to static discharge</b>	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**

<b>Personal Precautions</b>	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.
<b>Environmental Precautions</b>	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 oxidizing agents. 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	-	-	-
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** 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. 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

<b>Odor</b>	No information available	
<b>Odor Threshold</b>	No information available	
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
<b>pH</b>	No Data Available	
<b>Melting point / Freezing point</b>	36 - 49 °C	Literary Reference
<b>Boiling point / boiling range</b>	256 - °C	
<b>Flash Point</b>	No Data Available	No information available
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>	No information available	
<b>Upper flammability limit</b>	No information available	
<b>Lower flammability limit</b>	Not available	
<b>Vapor Pressure</b>	0.024 Pa@ 20°C	
<b>Vapor Density</b>	Not available	
<b>Specific Gravity</b>	1.29	
<b>Water Solubility</b>	(@pH7) 110 mg/L @20°C	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	(@pH7) log Pow=3.76@20°C	
<b>Autoignition temperature °C</b>	No Data Available	Estimated
<b>Decomposition temperature</b>	No Data Available	
<b>Kinematic Viscosity</b>	No information available	
<b>Dynamic Viscosity</b>	Not available	
<b>Explosive Properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	

**Other Information**

<b>Softening Point</b>	No information available
<b>Molecular Weight</b>	213.7 g/mol
<b>VOC content</b>	No information available
<b>Liquid Density</b>	No information available
<b>Bulk density</b>	No information available
<b>Corrosion characteristics</b>	No information available

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	Not applicable.
<b>Chemical Stability</b>	Stable under normal conditions
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur
<b>Conditions to Avoid</b>	Heat, flames and sparks.
<b>Incompatible Materials</b>	Strong oxidizing agents. Strong bases.
<b>Hazardous Decomposition Products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Nitrogen oxides (NO <sub>x</sub> ). Hydrogen chloride gas. Chloroanilines. Isocyanates.
<b>Possibility of Hazardous Reactions</b>	None under normal processing

**11. TOXICOLOGICAL INFORMATION****Product Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Chlorpropham	= 4,200 mg/kg ( Rat )	>2,000 mg/kg ( Rat )	>0.5 mg/L (4H) (nose only)
Other Ingredients	-	-	-

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

Information on likely routes of exposure

<b>Eyes</b>	Avoid contact with eyes.
<b>Skin</b>	Harmful in contact with skin. Avoid contact with skin.
<b>Inhalation</b>	Toxic by inhalation. Avoid breathing dust.
<b>Ingestion</b>	Toxic if swallowed. Do not take internally.

Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

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

**Carcinogenicity** Suspected of causing cancer.

Chemical name	ACGIH	IARC	NTP	OSHA
Chlorpropham 101-21-3	-	-	-	-
Other Ingredients N/A	-	-	-	-

<b>Serious eye damage/irritation</b>	No information available.
<b>Skin Corrosion/Irritation</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Reproductive Effects</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Developmental Effects</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	May cause damage to organs through prolonged or repeated exposure.
<b>Chronic Toxicity</b>	Avoid repeated exposure.
<b>Target Organ Effects</b>	Liver, Spleen, Bone Marrow.
<b>Aspiration Hazard</b>	No information available.

## 12. ECOLOGICAL INFORMATION

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

Ecotoxicity

Avoid release to the environment

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Chlorpropham 101-21-3	-	-	-	-
Other Ingredients N/A	EC50 (72 h) 4.5 mg/l (growth rate), Green Algae	LC50 (96 h) > 120mg/l, Oncorhynchus mykiss (Rainbow Trout) and Bluegill Sunfish	-	EC50 (48 h) 900 mg/l, Daphnia magna (water flea)

**Persistence/Degradability** No information available.

**Bioaccumulation/Accumulation** Does not bioaccumulate.

**Mobility in Soil** No information available.

Chemical name	log Pow =
Chlorpropham 101-21-3	-
Other Ingredients N/A	-

**Other adverse effects** No information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Disposal Methods** 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  
**Description** UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorpropham), 9, III  
**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 Description** This product contains a chemical which is listed as a marine pollutant according to TDG. UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorpropham), 9, III

#### MEX

**UN-No** UN3077  
**Proper Shipping Name** Environmentally hazardous substance, solid, n.o.s.  
**Hazard class** 9  
**Packing Group** III

<b>Description</b>	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorpropham), 9, III
<b>ICAO</b>	
<b>UN-No</b>	UN3077
<b>Proper Shipping Name</b>	Environmentally hazardous substance, solid, n.o.s.
<b>Hazard class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorpropham), 9, III1 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorpropham), 9, III2
<b>IATA</b>	
<b>UN number</b>	UN3077
<b>Proper Shipping Name</b>	Environmentally hazardous substance, solid, n.o.s.
<b>Transport hazard class(es)</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorpropham), 9, III1 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorpropham), 9, III2
<b>IMDG</b>	
<b>UN number</b>	UN3077
<b>Proper Shipping Name</b>	Environmentally hazardous substance, solid, n.o.s.
<b>Transport hazard class(es)</b>	9
<b>Packing Group</b>	III
<b>EmS No.</b>	F-A, S-F
<b>Marine Pollutant</b>	This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO
<b>Description</b>	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorpropham), 9, III1 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorpropham), 9, III2
<b>RID</b>	
<b>UN-No</b>	UN3077
<b>Proper Shipping Name</b>	Environmentally hazardous substance, solid, n.o.s.
<b>Transport hazard class(es)</b>	9
<b>Packing Group</b>	III
<b>Classification Code</b>	M7
<b>Description</b>	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorpropham), 9, III1 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorpropham), 9, III2
<b>ADR/RID-Labels</b>	9
<b>ADR</b>	
<b>UN-No</b>	UN3077
<b>Proper Shipping Name</b>	Environmentally hazardous substance, solid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Classification Code</b>	M7
<b>Tunnel Restriction Code</b>	(E)
<b>Description</b>	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorpropham), 9, III1 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorpropham), 9, III2
<b>Labels</b>	9
<b>ADN</b>	



<b>Proper Shipping Name</b>	Environmentally hazardous substance, solid, n.o.s.
<b>Transport hazard class(es)</b>	9
<b>Packing Group</b>	III
<b>Classification Code</b>	M7
<b>Special Provisions</b>	274, 335, 601
<b>Description</b>	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorpropham), 9, III
<b>Hazard label(s)</b>	9
<b>Limited Quantity</b>	5 kg

**15. REGULATORY INFORMATION**

International Inventories

<b>TSCA</b>	Does not comply
<b>Canada (DSL)</b>	Does not comply
<b>EU (EINECS)</b>	Does not comply
<b>EU (ELINCS)</b>	Does not comply
<b>Japan (ENCS)</b>	Does not comply
<b>China (IECSC)</b>	Does not comply
<b>Korea (KECL)</b>	Does not comply
<b>Philippines (PICCS)</b>	Does not comply
<b>Australia (AICS)</b>	Does not comply
<b>Mexico INV</b>	Does not comply
<b>Taiwan INV</b>	Does not comply

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

In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA. This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required by Safety Data Sheets, and for workplace labels of non-pesticide chemicals.

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**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes

<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any HAPs.

**VOC content**

This Product does not contain any VOCs

**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)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Chlorpropham 101-21-3	-	-	-	-
Other Ingredients N/A	-	-	-	-

**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

Chemical name	CERCLA/SARA Hazardous Substances	CERCLA/SARA RQ	RQ
Chlorpropham 101-21-3	-	-	-
Other Ingredients N/A	-	-	-

## 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.

Chemical name	New Jersey	Massachusetts	Illinois	Rhode Island	Pennsylvania
Chlorpropham 101-21-3	-	-	-	-	-
Other Ingredients N/A	-	-	-	-	-

**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 SDS

contains all the information required by the CPR.

**16. OTHER INFORMATION**

**NFPA**

Health 3

Flammability 0

Instability 0

Physical Hazard 0



Issuing Date

11-Mar-2022

Revision Date

11-Mar-2022

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**