



# Material Safety Data Sheet

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Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** Swisher Ant & Roach Killer  
**Product code** 41827  
**Recommended Use** Aerosol- Insect Killer  
**EPA Registration Number** 10088-92-72802

### Distributor

Swisher Hygiene Inc.  
4725 Piedmont Row Drive,  
Suite 400,  
Charlotte, NC 28210

**Chemical Emergency Phone Number** 800-424-9300 (Chemtrec)

**Company Emergency Phone Number** 800-444-4138

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Aerosol. Will be easily ignited by heat, spark or flames. CONTENTS UNDER PRESSURE  
MAY BE HARMFUL IF ABSORBED THROUGH SKIN  
Prolonged exposure may cause chronic effects

**Appearance** Compressed liquefied gas. **Physical state** liquid. **Odor** Fruity

### Potential Health Effects

#### Acute toxicity

##### Eyes

Moderately irritating to the eyes

##### Skin

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons  
Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis

##### Inhalation

Intentional misuse by concentrating and inhaling the product can be harmful or fatal.

##### Ingestion

Exposure by ingestion of an aerosol is unlikely. May cause delayed lung damage.  
Components of the product may be absorbed into the body by ingestion.

#### Chronic Effects

Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May cause delayed lung injury.

#### Aggravated Medical Conditions

Discomfort in the chest. Coughing. Defatting of the skin. Skin irritation.

#### Environmental hazard

See Section 12 for additional Ecological Information

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name	CAS-No	Weight %
Carbon Dioxide	124-38-9	1-3
Isoparaffinic Hydrocarbon	64742-47-8	> 90

#### 4. FIRST AID MEASURES

<b>Eye contact</b>	Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Skin contact</b>	Wash off with warm water and soap. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	If symptoms develop move victim to fresh air. Call a physician if symptoms develop or persist.
<b>Ingestion</b>	If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not induce vomiting without advice from poison control center. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
<b>Notes to physician</b>	Symptoms may be delayed

#### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	FLAMMABLE			
<b>Flash point</b>	Flash point 177 °F 80.6 °C			
<b>Suitable Extinguishing Media</b>	Water spray, fog, or foam			
<b>Hazardous Combustion Products</b>	May include Nitrous Oxide.			
<b>Explosion Data</b>				
<b>Sensitivity to Mechanical Impact</b>	none			
<b>Sensitivity to Static Discharge</b>	none			
<b>Specific hazards arising from the chemical</b>	Runoff to sewer may cause fire or explosion hazard.			
<b>Protective Equipment and Precautions for Firefighters</b>	In case of fire and/or explosion do not breathe fumes. Containers should be cooled with water to prevent vapor pressure build up Cool containers with flooding quantities of water until well after fire is out			
<b>NFPA</b>	<b>Health Hazard</b> 0	<b>Flammability</b> 0	<b>Stability</b> 0	<b>Physical and chemical hazards -</b>
<b>HMIS</b>	<b>Health Hazard</b> 1	<b>Flammability</b> 4	<b>Physical Hazard</b> 0	<b>Personal protection -</b>

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Ensure adequate ventilation
<b>Environmental precautions</b>	Try to prevent the material from entering drains or water courses
<b>Methods for Containment</b>	Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk.

**Methods for cleaning up** Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.  
SMALL SPILLS: wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. After removal flush contaminated area thoroughly with water.

## 7. HANDLING AND STORAGE

**Advice on safe handling** Pressurized container: Do not pierce or burn, even after use. Do not smoke while using or until sprayed surface is thoroughly dry. Use only in area provided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Do not re-use empty containers. Avoid prolonged exposure.

**Technical measures/Storage conditions** Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Do not handle or store near an open flame, heat or other sources of ignition. Avoid exposure to long periods of sunlight. Store in cool place. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. Level 3 Aerosol.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** Review Section 3 & 4 for Exposure Guidelines.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Carbon Dioxide 124-38-9	STEL: 30000 ppm TWA: 5000 ppm	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>	IDLH: 40000 ppm TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> STEL: 30000 ppm STEL: 54000 mg/m <sup>3</sup>

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Personal Protective Equipment Institutional Environment

**Eye/Face Protection** Safety glasses are suggested when using this product in heavy use and institutional environments.  
**Consumer Environments** Care should be taken to avoid Eye contact.  
**Skin and body protection** Rubber gloves  
**Respiratory protection** Unnecessary in open institutional environment.  
**Hygiene measures** Practice good personal hygiene. Wash after handling.

### Personal Protective Equipment Industrial Environment

**Eye/Face Protection** Splash-proof chemical goggles or face shield.  
**Skin and body protection** Impervious rubber, alkali-proof protective gloves Impervious rubber boots & apron.  
**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.  
**Hygiene measures** Practice good personal hygiene. Wash after handling. Shower at end of work period  
Practice good personal hygiene. Wash after handling

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	liquid	<b>Odor</b>	Fruity
<b>Appearance</b>	Compressed liquefied gas.	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks Methods</u>
pH		No information available
Melting/freezing point		No information available
Freezing Point		No information available
Boiling point/boiling range	213.9 °C 417.2 °F	No information available
Flash Point	80.6 °C 177 °F	No information available
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		No information available
upper flammability limit		
lower flammability limit		
Explosion Limits		
upper		
lower		
Vapor pressure	70-80	No information available
Vapor density	0.8101	No information available
Specific Gravity	0.8102	No information available
Water solubility	Partially	No information available
Solubility in other solvents		No information available
Partition coefficient: n-octanol/water		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		
Explosive properties	No information available	
Oxidizing Properties	No information available	
<b>9.2 Other information</b>		
Softening point	No information available	
Molecular Weight	No information available	
VOC Content(%)	No information available	
Density VALUE	No information available	
Bulk Density VALUE	No information available	

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Risk of ignition.
<b>Incompatible products</b>	None known based on information supplied
<b>Conditions to Avoid</b>	Heat, flames and sparks
<b>Hazardous Decomposition Products</b>	May include Nitrous Oxide.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Isoparaffinic Hydrocarbon	5000 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	5.2 mg/L ( Rat ) 4 h

**Chronic toxicity****Chronic toxicity**

Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May cause delayed lung injury.

**Target Organ Effects**

None known.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Components of this product have been identified as having potential environmental concerns.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Isoparaffinic Hydrocarbon		2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static 45: 96 h Pimephales promelas mg/L LC50 flow-through		4720: 96 h Den-dronereides heteropoda mg/L LC50

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods**

Contents under pressure. Do not puncture, incinerate or crush. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

**Contaminated packaging**

Do not re-use empty containers

## 14. TRANSPORT INFORMATION

**Note** Consumer Commodity, ORM-D

**Dot** Regulated  
**Proper shipping name** Consumer Commodity, ORM-D

**TDG** Not regulated

**MEX** Not regulated

**ICAO** Not regulated

**ICAO/IATA** Not regulated

**IMDG / IMO** Not regulated

**RID** Not regulated

**ADR/RID** Not regulated

**ADN** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	TSCA
<b>DSL</b>	Complies
<b>NDSL</b>	Complies
<b>EINECS</b>	Complies
<b>ELINCS</b>	-
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### U.S. Federal Regulations

#### **SARA 313**

Pesticides are exempt from TSCA. This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. CERCLA/SARA Hazardous Substances - Not applicable.

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	no
<b>Chronic Health Hazard</b>	no
<b>Fire Hazard</b>	Yes
<b>Sudden Release of Pressure Hazard</b>	Yes
<b>Reactive Hazard</b>	no

#### **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.

### U.S. State Regulations

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory U.S. - Pennsylvania - RTK (Right to Know) List

Carbon dioxide – 124-38-9 – present  
 Synthetic isoparaffinic hydrocarbon – 64742-47-8 – present

### International Regulations

Chemical Name	Carcinogen Status	Exposure Limits
Carbon Dioxide		Mexico: TWA 5000 ppm Mexico: TWA 9000 mg/m <sup>3</sup> Mexico: STEL 15000 ppm Mexico: STEL 27000 mg/m <sup>3</sup>

### Canada

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

**Prepared By** Swisher Hygiene Inc.  
 4725 Piedmont Row Drive  
 Suite 400  
 Charlotte, NC 28210

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**Revision Note** No information 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 Material Safety Data Sheet**