

## Material Safety Data Sheet This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

Ţ		WHMIS Class D-2B: Material causing other toxic effects (TOXIC).		HCS Cla	ss: Irr	itating substance.
WHMIS (Pictogram	ıs)	WHMIS (Classification)				HCS
Section 1. Chem	ical Pr	oduct and Company Identification				
Product Name/ Trade name	Resi	dual Insecticide Spray	Cod	le		029
Synonym	Residu	ual Insect Killer	CA	S #		Not applicable.
Chemical Family	Not av	ailable.	Val	idation Da	ite	3/20/2004
Chemical Formula	Not ap	plicable.	Pri	nt Date		3/27/2004
Manufacturer/ Supplier	1001 E Toledo	Corporation Brown Avenue 9, Ohio 43607 241-2156		<u>ase of</u> rgency	Che	mtrec (800) 424-9300
TSCA	TSCA I	nventory: All components listed or are exempt from listing.				
DSL/ NDSL	All com	ponents listed unless noted elsewhere on this MSDS	-		Pro V	tective Clothing

Section 2. Composition and Information on Ingredients					
Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>	
1) Liquified Petroleum Gas	68476-85-7	15-20	TWA: 1000 (ppm) TWA: 1000 (ppm) from OSHA (PEL) [United States]	Not available.	
2) Petroleum Distillates	64742-48-9	5-10	TWA: 500 (ppm) TWA: 100 (ppm) from OSHA (PEL) [United States]	Not available.	
3) Sodium Benzoate	532-32-1	<1	Not available.	Not available.	
4) Piperonyl Butoxide	51-03-6	0.5	Not available.	Not available.	
5) Pyrethrins	8003-34-7	0.1	TWA: 5 (mg/m <sup>3</sup> ) TWA: 5 (mg/m <sup>3</sup> ) from OSHA (PEL) [United States]	Not available.	
6) Permethrin	52645-53-1	0.2	Not available.	Not available.	

Section 3. Hazards Identification			
Potential Acute Health Effects No specific information is available in our database regarding the acute toxic effects of this material for humans.			
Potential Chronic Health Effects	Over-exposure by inhalation may cause respiratory irritation. Repeated skin exposure can produce local skin destruction, or dermatitis.		
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.		

Section 4. First Aid Measures		
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.	
Skin Contact	Wash with soap and water. Get medical attention if irritation develops.	
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.	
Ingestion	INDUCE VOMITING by sticking finger in throat. Have conscious person drink several glasses of water or milk. NEVER give an unconscious person anything to ingest. Seek immediate medical attention.	

Section 5. Fire Fighting Measures		
Products of Combustion	Not available.	
Fire Fighting Media and Instructions	Use water spray, fog or foam.	
Special Remarks on Fire Hazards	N/A	
Special Remarks on Explosion Hazards	Heated cans may burst.	

Section 6. Accidental	Release Measures
Small Spill and Leak	Safety glasses.
Large Spill and Leak	Absorb with DRY earth, sand or other non-combustible material.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Section 7. Handling a	nd Storage

Precautions	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas, fumes, vapor or spray.
Incompatibility	Not available.
Storage	Combustible materials should be stored away from extreme heat and away from strong oxidizing agents. Keep out of the reach of children. Not for use or storage in or around the home.

Engineering Controls	Good general ventilation should be sufficient to control airborne levels.
Personal Protection	
Eyes	s Safety glasses.
Body	v Lab coat.
Respiratory	v No special recommendations.
Hands	Gloves (impervious).
Protective Clothing (Pictograms)	

Exposure Limits

Liquified Petroleum Gas TWA: 1000 (ppm) TWA: 1000 (ppm) from OSHA (PEL)

## Petroleum Distillates

TWA: 500 (ppm) TWA: 100 (ppm) from OSHA (PEL)

Consult local authorities for acceptable exposure limits.

Section 9. Physical a	nd Chemical Properties		
Physical State and Appearance	Liquid. (Spray Mist)	Odor	Characteristic.
Molecular Weight	Not applicable.	Taste	Not available.
рН	Not available.	Color	Clear
<b>Boiling/Condensation Point</b>	N/A		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	Not available.		
Vapor Pressure	35 psig @ 68°F		
Vapor Density	>1 (Air = 1)		
Volatility	95		
VOC			
<b>Evaporation Rate</b>	>1		
Dispersion Properties	Not available.		
Solubility	Not available.		
The Product is:	May be combustible at high temperature.		
Auto-ignition Temperature	Not available.		
Flash Points	Not available.		
Flammable Limits	LOWER: 1.8% UPPER: 8.4%		
Fire Hazards in Presence of Various Substances	No specific information is available in our or presence of various materials.	latabase	regarding the flammability of this product in
Explosion Hazards in Presence of Various Substances	Explosive in presence of heat.		

Section 10. Stability and Reactivity Data	
Stability	The product is stable.
Incompatibility with Various Substances	Not available.
Hazardous Decomposition Products	Will not occur.

Section 11. Toxicolog	ical Information
Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Acute Effects on Humans	
Eyes	Slightly hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.
Skin	Slightly hazardous in case of skin contact (irritant). Non-sensitizer for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Inhalation	Hazardous in case of inhalation. May cause headache, dizziness.
Ingestion	Harmful if swallowed. May cause gastrointestinal discomfort. Aspiration hazard if swallowed- can enter lungs and cause chemical pneumonitis.
Chronic Effects on Humans	Over-exposure by inhalation may cause respiratory irritation. Repeated skin exposure can produce local skin destruction, or dermatitis.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.

Section 12. Ecological Information				
Ecotoxicity	Not available.			
BOD5 and COD	Not available.			
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.			
Toxicity of the Products of Biodegradation	Not available.			
Special Remarks on the Products of Biodegradation	No additional remark.			

Section 13. Disposal Considerations		
Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.	
Waste Stream	Not available.	

Section 14. Transpor	ion 14. Transport Information				
DOT (U.S.A) (Pictograms)					
TDG Classification	Not controlled under TDG (Canada).				
PIN UN, Proper Shipping Name, PG	Not applicable.				
Maritime Transportation	Not available.				
Special Provisions for Transport	Not applicable.				

WHMIS (Classification)	WHMIS Class D-2B: Ma	Material causing other toxic effects (TOXIC).			
Regulatory Lists	No products were found.				
Other Regulations	Not available. or of its ingredients				
Other Classifications	HCS (U.S.A.)	HCS Class: Irritating substance.			
	USA Regulatory Lists				
		SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Piperonyl Butoxide SARA 313 toxic chemical notification and release reporting: Piperonyl Butoxide; Pyrethrins			
	DSD (EEC)	This product is not classified according to the EU regulations.			
	International Regulations Lists	No products were found.			
Hazardous Material Information System (U.S.A.)	Health Flammability Physical Hazard	2 National Fire 2 Protection Association (U.S.A.)	Health 2 3 Instability		

## Section 16. Other Information Validated by CRushton on 3/20/2004. Verified by CRushton. Printed 3/27/2004. Information Contact Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607

## Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Validated on 3/20/2004.

Residual Insecticide Spray

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