

8686 / 8686-WQ Mosquito Coils - 10 Pack
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SECTION 1. IDENTIFICATION

Product identifier used on the label

: **8686 / 8686-WQ Mosquito Coils - 10 Pack**

Other means of identification : N/Av

Recommended use of the chemical and restrictions on use

: Insect repellent
Restrictions on use: Consumer use; Children must be supervised when using this product; Use outdoors only.

Chemical family : Mixture

Name, address, and telephone number of the supplier:

Coghlan's Ltd.

121 Irene Street
Winnipeg, MB, Canada R3T 4C7

Supplier's Telephone # : (204) 284 9550

24 Hr. Emergency Tel # : +1(877) 264-4526

Name, address, and telephone number of the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Green solid. Characteristic odour.

Most important hazards:

Occupational exposure to the substance or mixture may cause adverse effects. For further information, please refer to section 11 of the SDS.

This material is not classified as hazardous under U.S. OSHA regulations (29 CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Label elements

Hazard pictogram(s)

None required under U.S. OSHA Hazcom 2012 and Canadian WHMIS 2015 regulations.

Signal Word

None required under U.S. OSHA HazCom 2012 and Canadian WHMIS 2015 regulations.

Hazard statement(s)

None required under U.S. OSHA HazCom 2012 and Canadian WHMIS 2015 regulations.

Precautionary statement(s)

None required under U.S. OSHA HazCom 2012 and Canadian WHMIS 2015 regulations.

Other hazards

Other hazards which do not result in classification:
Burning produces obnoxious and toxic fumes.

Environmental precautions:

Toxic to aquatic life with long lasting effects. Avoid release to the environment. See Section 12 for more environmental information.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
2,6-Di-tert-butyl-p-cresol	Butylhydroxytoluene BHT	128-37-0	0.3 - <0.5
d-allethrin	(RS)-3-Allyl-2-methyl-4-oxocyclopent-2-enyl-(1R,3R;1R,3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate (mixture of 4 isomers 1R trans, 1R:1R trans, 1S: 1R cis, 1R: 1R cis, 1S 4:4:1:1)	231937-89-6	0.1 - <0.25

The remaining ingredients are either non-hazardous or are below reportable thresholds.

SECTION 4. FIRST-AID MEASURES**Description of first aid measures**

- Ingestion* : If ingested, do not induce vomiting. Never give anything by mouth to a person who is unconscious or is having convulsions. Immediately call a POISON CENTRE or doctor/physician.
- Inhalation* : Inhalation problems are not anticipated. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If irritation or symptoms develop, seek medical attention.
- Skin contact* : IF ON SKIN: Wash with plenty of soap and water. If irritation or symptoms develop, seek medical attention.
- Eye contact* : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Most important symptoms and effects, both acute and delayed

- : May be mildly irritating to skin, eyes and respiratory system. Direct eye contact may cause slight redness. Direct skin contact may cause temporary redness.

Indication of any immediate medical attention and special treatment needed

- : Provide general supportive measures and treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES**Extinguishing media***Suitable extinguishing media*

- : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

Unsuitable extinguishing media

- : None known.

Special hazards arising from the substance or mixture / Conditions of flammability

- : Not considered flammable. Will burn if ignited. Burning produces obnoxious and toxic fumes.

Flammability classification (OSHA 29 CFR 1910.106)

- : Not classified as flammable.

Hazardous combustion products

- : Carbon oxides; Smoke; Other unidentified organic compounds.

Special protective equipment and precautions for firefighters*Protective equipment for fire-fighters*

- : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

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Special fire-fighting procedures

- : Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : For personal protection, see section 8 of the SDS.

Environmental precautions : Avoid release to the environment. Prevent product from entering drains, sewers, waterways and soil.

Methods and material for containment and cleaning up

- : Vacuum or sweep up spilled material using a method that does not generate airborne dust.

Special spill response procedures

- : Not relevant for the product itself.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : Use according to package label instructions. Keep containers closed when not in use. Wash thoroughly after handling. Keep out of reach of children. Avoid release to the environment.

Conditions for safe storage : Keep out of reach of children. Store away from food, drink and animal feed. Store in a cool, dry place out of direct sunlight. Keep container tightly closed.

Incompatible materials : None known or reported by the manufacturer.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
	2,6-Di-tert-butyl-p-cresol	2 mg/m ³ (inhalable fraction and vapor)	N/Av	N/Av
d-allethrin	N/Av	N/Av	N/Av	N/Av

Exposure controls

Ventilation and engineering measures

- : Provide adequate ventilation. Where adequate general ventilation is unavailable, use local exhaust ventilation, or other engineering controls.

Respiratory protection

- : None required when used as intended.

Skin protection

- : Wear protective gloves/clothing. Wear chemical resistant butyl rubber, nitrile, neoprene, or other suitable protective gloves. Wear sufficient clothing to prevent skin contact.

Eye / face protection

- : Wear as appropriate: Safety glasses with side shields.

Other protective equipment

- : Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

General hygiene considerations

- : Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

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Physical State	: Solid
Colour	: green
Odour	: Characteristic odour.
Odour threshold	: No information available.
pH	: No information available.
Melting Point/Freezing point	: No information available.
Initial boiling point and boiling range	
	: No information available.
Flash point	: No information available.
Flashpoint (Method)	: Not applicable.
Evaporation rate (BuAe = 1)	: No information available.
Flammability	: Not flammable.
Lower explosion or flammability limit (% by vol.)	
	: No information available.
Upper explosion or flammability limit (% by vol.)	
	: No information available.
Oxidizing properties	: None known.
Explosive properties	: Not explosive
Vapour pressure	: No information available.
Relative vapour density	: No information available.
Relative density / Specific gravity	
	: No information available.
Solubility in water	: No information available.
Other solubility(ies)	: No information available.
Partition coefficient: n-octanol/water or Coefficient of water/oil distribution	
	: No information available.
Auto-ignition temperature	: No information available.
Decomposition temperature	: No information available.
Viscosity	: Not applicable.
Particle characteristics	: Not available
Volatiles (% by weight)	: No information available.
Volatile organic Compounds (VOC's)	
	: No information available.
Absolute pressure of container	
	: Not applicable.
Flame projection length	: Not applicable.
Other physical/chemical comments	
	: No additional information.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not normally reactive.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	
	: Hazardous polymerization does not occur.
Conditions to avoid	: High temperatures.
Incompatible materials	: Strong oxidizers.Reducing agents.Acids.Strong bases

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Hazardous decomposition products

: None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES

Routes of entry skin & eye : YES

Routes of entry Ingestion : YES

Routes of exposure skin absorption
: NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

: Burning produces headaches, nausea, dizziness, and loss of coordination.

Sign and symptoms ingestion

: None expected, when used as intended.

Sign and symptoms skin

: None expected, when used as intended.

Sign and symptoms eyes

: None expected, when used as intended.

Potential Chronic Health Effects

: None known or reported by the manufacturer.

Mutagenicity

: Contains no ingredient listed as a mutagen.

Carcinogenicity

: Contains no ingredient listed as a carcinogen.

Reproductive effects & Teratogenicity

: Contains no ingredient listed as toxic to reproduction.

Sensitization to material

: Not expected to be a skin or respiratory sensitizer.

Specific target organ effects

: According to the classification criteria of U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015), this product is not expected to cause target organ toxicity through single or repeated exposures.

Medical conditions aggravated by overexposure

: Pre-existing skin or eye disorders.

Synergistic materials

: None known or reported by the manufacturer.

Toxicological data

: No data is available on the product itself.

See below for individual ingredient acute toxicity data.

Chemical name	LC ₅₀ (4hr) inh, rat	LD ₅₀	
		(Oral, rat)	(Rabbit, dermal)
2,6-Di-tert-butyl-p-cresol	N/Av	> 6000 mg/kg	> 2000 mg/kg (No mortality)
d-allethrin	5.77 mg/L	500 mg/kg	>2000 mg/kg

Other important toxicological hazards

: None known or reported by the manufacturer.

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : Toxic to aquatic life with long lasting effects. Avoid release to the environment. No data is available on the product itself.

See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

<u>Ingredients</u>	CAS #	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
2,6-Di-tert-butyl-p-cresol	128-37-0	≥ 0.57 mg/L (Zebra fish) (no deaths)	0.053 mg/L/42 days (Japanese ricefish)	1
d-allethrin	231937-89-6	0.0018-0.0035 mg/L	N/Av	100

<u>Ingredients</u>	CAS #	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
2,6-Di-tert-butyl-p-cresol	128-37-0	0.48 mg/L (Daphnia magna)	0.023 mg/L	1
d-allethrin	231937-89-6	0.019-0.035 mg/L	N/Av	100

<u>Ingredients</u>	CAS #	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
2,6-Di-tert-butyl-p-cresol	128-37-0	0.758 mg/L/96hr (Green algae) (QSAR)	0.4 mg/L/72hr	1
d-allethrin	231937-89-6	N/Av	N/Av	N/Av

Persistence and degradability

: The product itself has not been tested.

Bioaccumulation potential

: The product itself has not been tested. See the following data for ingredient information.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
d-allethrin (CAS 231937-89-6)	4.78	N/Av
2,6-Di-tert-butyl-p-cresol (CAS 128-37-0)	5.1	781 - 839 (common carp)

Mobility in soil

: The product itself has not been tested.

Other Adverse Environmental effects

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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SECTION 13. DISPOSAL CONSIDERATIONS

- Handling for Disposal** : Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.
- Methods of Disposal** : Dispose of in accordance with local regulations.
- RCRA** : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method.

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
TDG	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	9	III	 
TDG Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 kg; in packages not exceeding 30 kg gross mass.				
49CFR/DOT	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	9	III	 
49CFR/DOT Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 kg; in packages not exceeding 30 kg gross mass.				
ICAO/IATA	UN3077	Environmentally hazardous substance, solid, n.o.s. d-allethrin	9	III	 
ICAO/IATA Additional information	Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material.				
IMDG	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. d-allethrin	9	III	 
IMDG Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 kg; in packages not exceeding 30 kg gross mass.				

- Special precautions for user** : Appropriate advice on safety must accompany the package. Avoid release to the environment.
- Environmental hazards** : See Section 12 for more environmental information.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

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<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de Minimis Concentration
2,6-Di-tert-butyl-p-cresol	128-37-0	Yes	N/Ap	N/Av	No	No
d-allethrin	231937-89-6	Yes	N/Ap	N/Av	No	No

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: None. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
2,6-Di-tert-butyl-p-cresol	128-37-0	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
d-allethrin	231937-89-6	No	N/Ap	No	No	No	No	No	No

Canadian Information:

All ingredients are present on the DSL.

International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
2,6-Di-tert-butyl-p-cresol	128-37-0	204-881-4	Present	Present	(9)-1805; (5)-6372; (3)-540	KE-03079	Present	HSR002784
d-allethrin	231937-89-6	209-542-4	Present	Present	N/Av	N/Av	Present	N/Av

SECTION 16. OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- AICS: Australian Inventory of Chemical Substances
- AIHA: American Industrial Hygiene Association
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- DOT: Department of Transportation
- EC50: Effective Concentration 50%
- EINECS: European Inventory of Existing Commercial chemical Substances
- ENCS: Existing and New Chemical Substances
- EPA: Environmental Protection Agency
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer

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IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
IECSC: Inventory of Existing Chemical Substances
IMDG: International Maritime Dangerous Goods
IOC: Inventory of Chemicals
KECI: Korean Existing Chemicals Inventory
KECL: Korean Existing Chemicals List
LC: Lethal Concentration
LD: Lethal Dose
N/Ap: Not Applicable
N/Av: Not Available
NOEC: No observable effect concentration
NTP: National Toxicology Program
OECD: Organisation for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PEL: Permissible exposure limit
PICCS: Philippine Inventory of Chemicals and Chemical Substances
RCRA: Resource Conservation and Recovery Act
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
SCBA: Self-Contained Breathing Apparatus
STEL: Short Term Exposure Limit
TLV: Threshold Limit Values
TWA: Time Weighted Average
WEEL: Workplace Environmental Exposure Level

References : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices
2. ECHA - European Chemical Agency
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases
4. Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists
6. California Proposition 65 List
7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal

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Revision No. : 3

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Other special considerations for handling : Provide adequate information, instruction and training for operators.

<p>Prepared for: Coghlan's Ltd. 121 Irene Street Winnipeg, MB R3T 4C7 Telephone: (204) 284 9550 email: info@coghlans.com Website: https://www.coghlans.com</p>	
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