


Product no. NCMM
Product name **NoMate® CM MEC**
Scientific name *Cydia pomonella*
EPA Reg. No. 36638-44

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SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING		
1.1	Product identifier	NoMate® CM MEC (<i>Cydia pomonella</i>)
1.2	Relevant identified uses of the substance or mixture and uses advised against	NoMate CM MEC is a pheromone communication disruptant for control of Codling Moth (<i>Cydia pomonella</i>).
1.3	Details of the supplier of the safety data sheet	Scentry Biologicals, Inc. 610 Central Ave. Billings, MT 59102 scentry@scentry.com Tel: 1-(406)-248-5856 Fax: 1-(406)-245-2790
1.4	Emergency Telephone number	1-(800)-735-5323

SECTION 2: HAZARDS IDENTIFICATION		
2.1	Classification of the substance or mixture HMIS Hazard Classifications	Health =1 Flammability =1 Reactivity =0
	DPD Classifications	Xi
2.2	GHS Classification and Labeling	
	Signal Word	Warning
	Hazard pictograms GHS07	
	Hazard Statements H315	Causes skin irritation.
	S-phrases S2	Keep out of reach of children.
	S13	Keep away from food, drink and animal feeding stuffs.
	S46	If swallowed, seek medical advice immediately and show this container or label.
	S20/S21, S24/S25, S26, S28	When using this product do not eat, drink or smoke, avoid contact with skin and eyes, after contact with skin, wash immediately with plenty of soap and water.
	S36/S37	Wear suitable protective clothing and gloves.
	Precautionary statements P264	Wash Hands thoroughly after handling.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P302+P352	If on skin: Wash with plenty of soap and water.
	P362	Take off contaminated clothing and wash before reuse.
2.3	Other hazards	None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS			
3.1	Substance (s)	Product Identifier (CAS No.)	%
	(E,E)-8,10-Dodecadien-1-ol	33956-49-9	20
	Other Ingredients	N/A	80
			Synonym (s) CM pheromone Codlure Codlure Alcohol E8E10-12OH N/A

SECTION 4: FIRST AID MEASURES	
4.1	Description of first aid measures
	Inhalation Skin contact
	Eye contact
	Ingestion
	Remove to fresh air. Seek medical attention if symptoms persist. Remove contaminated clothing and wash well with soap and water. Seek medical attention if symptoms persist. Irrigate with water for at least 15 minutes. Seek medical attention if symptoms persist. If ingested rinse mouth with water. Seek medical attention if symptoms persist.

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4.2	Most important symptoms and effects, both acute and delayed	Primarily irritation
4.3	Indication of any immediate medical attention and special treatment needed	Treat symptomatically

SECTION 5: FIRE-FIGHTING MEASURES		
5.1	Extinguishing media	Foam or carbon dioxide for small fires, water spray or foam for large fires. Avoid heavy hose streams.
5.2	Special hazards arising from the substance or mixture	The essential breakdown products are carbon monoxide, carbon dioxide and water.
5.3	Advice for firefighters	Use standard fire fighting techniques.

SECTION 6: ACCIDENTAL RELEASE MEASURES		
6.1	Personal precautions, protective equipment and emergency procedures	Avoid Contact with eyes, skin and clothes. See section 8 for further detail on personal protective equipment.
6.2	Environmental precautions	Keep out of water sources and sewers
6.3	Methods and materials for containment and cleaning up	Contain spill; vacuum or scoop and sweep up and place in container for disposal. Material which cannot be used should be disposed of in an approved waste disposal facility following all applicable Federal, State, and Local regulations. Triple rinse empty containers and offer for recycling or reconditioning, or puncture and dispose of in an approved sanitary land fill. Do not contaminate water supplies by disposal of wastes or containers.
6.4	Reference to other sections	See section 7 for fire prevention. See section 8 for personal protection. See section 13 for disposal.

SECTION 7: HANDLING AND STORAGE		
7.1	Precautions for safe handling	General precautions to be taken with handling. Avoid contact with eyes, skin and clothes.
7.2	Conditions for safe storage, including any incompatibilities	Store in cool, dry area out of direct sunlight. Keep storage container closed until ready to use. Keep away from food, feedstuffs, and domestic water supplies.
7.3	Specific end use(s)	NoMate CM MEC is a pheromone communication disruptant for control of Codling Moth (<i>Cydia pomonella</i>).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION		
8.1	Personal exposure limits	To our knowledge, no personal exposure limits have been established for any of the components in this product. However, exposure limits may be defined by local regulations and must be observed.
8.2	Exposure controls	Keep away from foodstuffs, beverages and food. Avoid contact with eyes and skin. Wash thoroughly after handling.
	Respiratory protection	None required, if the room is well-ventilated. Use with local ventilation
	Protective gloves	None required, but vinyl, latex or rubber gloves is recommended for continuous handling. The exact break through time of the various types of protective gloves has to be found out by the manufacturer and has to be observed.
	Eye protection.....	None required, but chemical goggles or shielded safety glasses are recommended.
	Other skin protection	Wear suitable protective clothing.
	NOTE:	Personal protection information shown above is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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9.1	Information on physical and chemical properties	NoMate CM MEC (<i>Cydia pomonella</i>)
	Appearance	Liquid, Off-white opaque
	Odor	Waxy, Fatty
	Odor threshold	Not determined
	pH	7-7.5
	Melting point/Freezing point	Not determined
	Initial boiling point and boiling range	Not determined
	Flash point	Not determined
	Evaporation rate	Not determined
	Flammability (solid/gas)	Not highly flammable
	Upper/ lower flammability or explosive limits	Not determined
	Vapor pressure	Not determined
	Vapor density	Not determined
	Relative density	Not determined
	Solubilities	Solubility at 20°C in: water soluble
	Viscosity	>9.11x10 ⁻⁴ m ² /sec
	Explosive properties	Not explosive
	Oxidizing properties	Not oxidizing
	Decomposition temperature	Not determined
	Auto-ignition temperature	Not determined
	Partition coefficient: n-octanol/water	Not determined
	Other Information	None
9.2		

SECTION 10: STABILITY AND REACTIVITY		
10.1	Reactivity	To our knowledge, the product has no special reactivities.
10.2	Chemical stability	Stable at ambient temperatures while in storage and while being handled.
10.3	Possibility of hazardous reactions	Thermally decomposition products may include CO, CO ₂ , H ₂ O.
10.4	Conditions to avoid	Acids, peroxides and other oxidizing agents.
10.5	Incompatible materials	None known.
10.6	Hazardous decomposition products	See Section 5

11.1	Information on toxicological effects	
	Acute toxicity	This product contains a straight chain lepidopteran pheromone, a class of pheromones with no expected risks to human health or non-target organisms.
	Route(s) of Entry	
	- skin (most likely)	LD ₅₀ , dermal (rabbit): >2020 mg/kg
	-ingestion	LD ₅₀ , oral (rat): 3200 mg/kg
	-inhalation	LD ₅₀ , inhalation (per animal): 2.5 ml/animal
	Delayed, immediate, or chronic effects from short term exposure	Not determined
	Delayed, immediate, or chronic effects from long term exposure	Not determined
	Symptoms	Causes mild to moderate skin and eye irritation
	Indication of whether the chemical is listed in the NTP, or has found to be carcinogenic by the IARC or OSHA	Not determined

SECTION 12: ECOLOGICAL INFORMATION		
12.1	Toxicity	
	The ecotoxicity of the active ingredient is measured as:	
	- Fish	96-h LC ₅₀ Not determined
	- Algae	72-h LOEC Not determined
	- Daphnia	48-h LC ₅₀ Not determined
	- Bees	48-h LD ₅₀ , contact Not determined
		48-h LD ₅₀ , oral Not determined
12.2	Persistence in degradability	Easily decompose to carbon monoxide, carbon dioxide and water.
12.3	Bioaccumulative potential	Not determined

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12.4	Mobility in soil	Not determined
12.5	Results of PBT and vPvB assessment	Not determined
12.6	Other adverse effects	None

SECTION 13: DISPOSAL CONSIDERATIONS		
13.1	Waste treatment methods	
	Disposal of product	Do not contaminate water, foodstuffs, feed, seed or sewage water by storage or disposal. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. To minimize exposure see section 8.
	Disposal of packaging	Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SECTION 14: TRANSPORT INFORMATION		
14.1	UN number	Not determined
14.2	UN proper shipping name	The product is not classified as hazardous material for both national and international transport by road or rail, by sea or air.
14.3	Transport hazard class(es)	Not determined
14.4	Packing group	Not determined
14.5	Environmental hazards	None known
14.6	Special precautions for user	None known
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	The product is not transported in bulk tankers.

SECTION 15: REGULATORY INFORMATION		
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	Warning. May cause an allergic skin reaction if on skin – wash with plenty of soap and water. If skin irritation occurs: get medical advice. Avoid breathing fumes. When applying, wear gloves. Do not eat drink or smoke while using. Wash hands before meals and after work. Wash protective gloves after work. Contaminated clothing should not be allowed out of the workplace. CAUTION Keep out of reach of children. Reference Section 4 and Section 8 for first aid measures and exposure controls. This product is registered with the U.S. EPA under EPA Reg. No. 36638-44 All Products are categorized under U.S. EPA Toxicity and Health Hazard Category III- CAUTION
15.2	Chemical safety assessment	A chemical safety assessment has not been performed.

SECTION 16: OTHER INFORMATION		
<p>Disclaimer: All information contained in this Safety Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion, the information is, as of the date of this Safety Data Sheet, reliable. However, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional, or variable conditions or circumstances exist or because of applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information gathered by you, and you must make independent determinations of the suitability in completeness of the information from all sources to assure both proper use of the material described herein and the safety and health of employees.</p> <p>Prepared by: Scentry Biologicals, Inc.</p>		