



Product no. N/A
 Product name **NoMate® OFM Smart Release**
 Scientific name *Grapholita molesta*
 EPA Reg. No. 36638-50

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SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	
1.1	Product identifier NoMate® OFM Smart Release
1.2	Relevant identified uses of the substance or mixture and uses advised against NoMate® OFM Smart Release is a pheromone communication disruptant for control of Oriental Fruit Moth (<i>Grapholita molesta</i>). The aerosol canister is used in combination with Scentry's emitter for metered release of pheromone.
1.3	Details of the supplier of the safety data sheet *See 7.3 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 DPD Classifications 2.2 GHS Classification and Labeling Signal Word Hazard pictograms GHS02 GHS07 Hazard Statements H222 H229 H313 H315 H320 H333 S-phrases S2 S13 S46 S20/S21, S24/S25, S26, S28 S36/S37 Precautionary statements P103 P210 P251 P264 P280 P302+P352 P302+P351+P338 2.3 Other hazards	Health =1 Flammability =3 Physical Hazard =0 Xi Caution   Flammable aerosol Pressurized container: may burst if heated May be harmful in contact with skin Causes skin irritation Causes eye irritation May be harmful if inhaled Keep out of reach of children. Keep away from food, drink and animal feeding stuffs. If swallowed, seek medical advice immediately and show this container or label. 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. Wear suitable protective clothing and gloves. Read Label before use Keep away from heat/sparks/open flames/hot surfaces. No smoking Pressurized container: Do not pierce or burn, even after use. Wash Hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If on skin: Wash with plenty of soap and water. If in eyes: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS				
3.1	Substance (s)	Product Identifier (CAS No.)	%	Synonym (s)
	(Z)-8-Dodecenyl Acetate	28079-04-1	10.78	OFM Pheromone
	(E)-8-Dodecenyl Acetate	38363-29-0	0.98	
	(Z)-8-Dodecenyl Alcohol	40642-40-8	0.16	
	Other ingredients	N/A	88.08	Trade secret, non-hazardous

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.
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	Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Keep out of water sources and sewers.
6.3	Methods and materials for containment and cleaning up	Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.
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® OFM Smart Release is a pheromone communication disruptant for control of Oriental Fruit Moth (<i>Grapholita molesta</i>). The aerosol canister is used in combination with Scentry's emitter for metered release of pheromone.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION		
8.1	Personal exposure limits	To our knowledge, no personal exposure limits have been established for end-use product.
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

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	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	
9.1 Information on physical and chemical properties	
Appearance	Aerosol
Odor	Not determined
Odor threshold	Not determined
pH	7-8
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)	Extremely flammable
Upper/ lower flammability or explosive limits	Not determined
Vapor pressure	Not determined
Vapor density	Not determined
Relative density	0.7-0.8 g/ml @ 20°C
Solubilities	Solubility at 20°C in water: insoluble
Viscosity	Not determined
Explosive properties	May cause bursting if exposed to temperatures above 130°F
Oxidizing properties	Not oxidizing
Decomposition temperature	Not determined
Auto-ignition temperature.....	Not determined
Partition coefficient: n-octanol/water	Not determined
9.2 Other Information	None

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	Excessive heat, sparks, open flame or other possible sources of ignition.
10.5 Incompatible materials	None known.
10.6 Hazardous decomposition products	See Section 5

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SECTION 11: TOXICOLOGICAL INFORMATION		
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. The following toxicity data is for the active ingredients: (Z)-8-Dodecenyl Acetate, (E)-8-Dodecenyl Acetate, (Z)-8-Dodecenyl Alcohol
	Route(s) of Entry	
	- skin (most likely)	LD ₅₀ , dermal: Not determined
	-ingestion	LD ₅₀ , oral: Not determined
	-inhalation	LD ₅₀ , inhalation: Not determined
	Delayed, immediate, or chronic effects from short term exposure	Not determined
	Delayed, immediate, or chronic effects from long term exposure	Not determined
	Symptoms	May cause 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
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. Full or partially full cans must be depressurized before 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	Dispose of empty cans in recycling or landfill.

SECTION 14: TRANSPORT INFORMATION		
14.1	UN number	UN 1950
14.2	UN proper shipping name	Aerosols, Flammable
	Ground	UN 1950, Aerosols, Flammable (each not exceeding 1 L capacity), Class 2.1
	Air	UN 1950, Aerosols, Flammable, Class 2.1
	Marine	UN 1950, Aerosols, Flammable, Class 2.1
14.3	Transport hazard class(es)	Class: 2.1
14.4	Packing group	Not applicable
14.5	Environmental hazards	None known
14.6	Special precautions for user	None known

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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.
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SECTION 15: REGULATORY INFORMATION		
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	Restrictions on use: Not Known 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. 36638-46

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>		