

# SAFETY DATA SHEET

Issuing Date 15-Oct-2015

Revision Date 15-Oct-2015

Revision Number 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier** Item Nos. E58, E59, E61, E63, E66, E67, E68, E72

**Product Name** Enoz Old Fashioned Moth Balls

**Other means of identification** EPA Reg. No. 1475-74

**Synonyms** These products are pesticides registered by U.S. EPA. It is a violation of Federal law to use these products in a manner inconsistent with the product label.

### Recommended use of the chemical and restrictions on use

**Recommended Use** Insecticide/Larvicide

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

**Supplier Name** Willert Home Products, Inc.  
**Supplier Address** 4044 Park Avenue,  
Saint Louis, Missouri 63110 USA  
**Supplier Phone Number** Phone:314-772-2822  
(8:30 AM to 4:30 PM CST)  
**Supplier Email** [whpcustomerservice@willert.com](mailto:whpcustomerservice@willert.com)  
**Emergency telephone number** CHEMTREC 800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Acute toxicity – Oral	Category 4
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Aspiration toxicity	Category 1
Flammable solids	Category 2

**GHS Label elements, including  
precautionary statements****Emergency Overview**

<b>Signal word</b>	Danger	
<b>Hazard statements</b>	Harmful if swallowed May cause genetic defects May cause cancer May be fatal if swallowed and enters airways Flammable solids	
		
<b>Appearance</b> White crystalline	<b>Physical State</b> Solid	<b>Odor</b> Naphthalenic

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ventilating/lighting/equipment

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Ingestion**

Rinse mouth  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Do NOT induce vomiting

**Fire**

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other information**

- Very toxic to aquatic life with long lasting effects
- Prolonged or repeated contact may dry skin and cause irritation

**Interactions with Other Chemicals** Use of alcoholic beverages may enhance toxic effects.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
Naphthalene	91-20-3	99.95	N/A

### 4. FIRST AID MEASURES

**First aid measures**

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
<b>Eye Contact</b>	If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if applicable, and continue flushing. Keep eye wide open while rinsing. Do not rub affected area.
<b>Skin Contact</b>	Wash skin with soap and water. Removal of solidified molten material from skin requires medical assistance.
<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. Administer oxygen if breathing is difficult and you are trained.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed - can enter lungs and cause damage. If vomiting occurs, lean victim forward to reduce the risk of aspiration. Call a physician or Poison Control Center immediately.
<b>Protection of First-aiders</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms/Effects** Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry chemical, CO<sub>2</sub>, sand, earth, water spray or regular foam. Water spray, fog or regular foam.

### Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

### Specific Hazards Arising from the Chemical

Some may burn rapidly with flare burning effect. Powders, dusts, shavings, borings, turnings or cuttings may explode or burn with explosive violence. Substance may be transported in a molten form

<b>Uniform Fire Code</b>	FLAMMABLE SOLID: ORGANIC Toxic: Solid
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### Hazardous Combustion Products

Carbon oxides.

### Explosion Data

<b>Sensitivity to Mechanical Impact</b>	No
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<b>Sensitivity to Static Discharge</b>	Yes
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### Protective Equipment and Precautions for Firefighters

Move containers from fire area if you can do it without risk.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### **Personal Precautions**

Avoid contact with eyes. Ensure adequate ventilation. Use personal protective equipment. Evacuate personnel to safe areas. Refer to Section 8 Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

#### **Other Information**

Refer to protective measures listed in Sections 7 and 8. Ventilate the area.

### Environmental precautions

#### **Environmental Precautions**

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.

### Methods and material for containment and cleaning up

#### **Methods for Containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for Cleaning Up**

Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Do not breathe vapors, mist or gas

### Conditions for safe storage, including any incompatibilities

**Storage** Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

**Incompatible Products** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Naphthalene 91-20-3	STEL: 15 ppm TWA: 10 ppm S*	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> (vacated) TWA: 10 ppm (vacated) TWA: 50 mg/m <sup>3</sup> (vacated) STEL: 15 ppm (vacated) STEL: 75 mg/m <sup>3</sup>	IDLH: 250 ppm TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> STEL: 15 ppm STEL: 75 mg/m <sup>3</sup>

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Tightly fitting safety goggles.

**Skin and Body Protection** Wear protective gloves/clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Antistatic boots

**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<b>Physical State</b>	Solid	<b>Odor</b>	Naphthalenic
<b>Appearance</b>	Crystalline	<b>Odor Threshold</b>	No information available
<b>Color</b>	White		

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
<b>pH</b>	No data available	None known
<b>Melting/freezing point</b>	No data available	None known
<b>Boiling Point/Range</b>	No data available	None known
<b>Flash Point</b>	No data available	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit</b>	No data available	
<b>Lower flammability limit</b>	No data available	
<b>Vapor pressure</b>	No data available	None known
<b>Vapor density</b>	No data available	None known
<b>Specific Gravity</b>	No data available	None known
<b>Water Solubility</b>	Insoluble in water.	None known
<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient: n-octanol/water</b>		None known
<b>Autoignition temperature</b>		None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>		None known
<b>Explosive Properties</b>	No data available	
<b>Oxidizing Properties</b>	No data available	
 <b><u>Other Information</u></b>		
<b>Softening Point</b>	No data available	
<b>VOC Content (%)</b>	No data available	

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

Heat, flames and sparks.

### Incompatible materials

None known based on information supplied.

### Hazardous Decomposition Products

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information.
<b>Inhalation</b>	There is no data available for this product. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema Pulmonary edema can be fatal
<b>Eye Contact</b>	There is no data available for this product.

<b>Skin Contact</b>	There is no data available for this product.
<b>Ingestion</b>	There is no data available for this product. May be harmful if swallowed. (based on components) Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Naphthalene 91-20-3	-	> 20 g/kg ( Rabbit )	> 340 mg/m <sup>3</sup> ( Rat ) 1 h

**Information on toxicological effects**

**Symptoms** Difficulty in breathing. Coughing and/ or wheezing. Asthma-like and/ or skin allergy-like symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Mutagenic Effects** There is no data available for this product Contains a known or suspected mutagen

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Naphthalene 91-20-3		Group 2A Group 2B	Reasonably Anticipated	X

***IARC: (International Agency for Research on Cancer)****Group 2A - Probably Carcinogenic to Humans**Group 2B - Possibly Carcinogenic to Humans****NTP: (National Toxicity Program)****Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen****OSHA: (Occupational Safety & Health Administration)****X - Present*

<b>Reproductive Toxicity</b>	No information available
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic Toxicity</b>	No known effect based on information supplied. Contains a known or suspected mutagen Possible risks of irreversible effects. Contains a known or suspected carcinogen Aspiration may cause pulmonary edema and pneumonitis. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.
<b>Target Organ Effects</b>	May affect the genetic material in germ cells (sperm and eggs). Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). Blood. Central nervous system (CNS). Kidney. Liver.
<b>Aspiration Hazard</b>	No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)**

501.00 mg/kg

**12. ECOLOGICAL INFORMATION**

This product contains a chemical which is listed as a severe marine pollutant according to DOT

**Ecotoxicity**

Very toxic to aquatic life with long lasting effects

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Other Adverse Effects**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Waste Disposal Methods**                      Should not be released into the environment. Dispose of in accordance with local regulations  
 Dispose of in accordance with all applicable national environmental laws and regulations

**Contaminated Packaging**                      Dispose of in accordance with local regulations.

**US EPA Waste Number**                      U165

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Naphthalene 91-20-3	U165	Included in waste streams: F024, F025, F034, F039, K001, K035, K060, K087, K145		U165

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Naphthalene 91-20-3			Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	

**California Hazardous Waste Codes    232**

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Naphthalene 91-20-3	Toxic



<b>14. TRANSPORT INFORMATION</b>
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**DOT**

<b>Proper Shipping Name</b>	Consumer commodity
<b>Hazard Class</b>	ORM-D
<b>Reportable Quantity (RQ) (RQ/% in mixture)</b>	100 lb
<b>Marine Pollutant</b>	
<b>Description</b>	Consumer commodity, ORM-D
<b>Emergency Response Guide Number</b>	133

**TDG**

<b>UN-No</b>	UN1334
<b>Proper Shipping Name</b>	NAPHTHALENE, REFINED
<b>Hazard Class</b>	4.1
<b>Packing Group</b>	III
<b>Description</b>	UN1334, NAPHTHALENE, REFINED, 4.1, PG III

**MEX**

<b>UN-No</b>	UN1334
<b>Proper Shipping Name</b>	Naphthalene, refined
<b>Hazard Class</b>	4.1
<b>Packing Group</b>	III
<b>Description</b>	UN1334, Naphthalene, refined, 4.1, III

**ICAO**

<b>UN-No</b>	UN1334
<b>Proper Shipping Name</b>	Naphthalene, refined
<b>Hazard Class</b>	4.1
<b>Packing Group</b>	III
<b>Description</b>	UN1334, Naphthalene, refined, 4.1, PG III

**IATA**

<b>UN-No</b>	UN1334
<b>Proper Shipping Name</b>	Naphthalene, refined
<b>Hazard Class</b>	4.1
<b>Packing Group</b>	III
<b>Description</b>	UN1334, Naphthalene, refined, 4.1, PG III

**IMDG/IMO**

<b>UN-No</b>	UN1334
<b>Proper Shipping Name</b>	Naphthalene, refined
<b>Hazard Class</b>	4.1
<b>Packing Group</b>	III
<b>EmS No.</b>	F-A, S-G
<b>Marine Pollutant</b>	
<b>Description</b>	UN1334, Naphthalene, refined, 4.1, PG III

**RID**

<b>UN-No</b>	UN1334
<b>Proper Shipping Name</b>	Naphthalene, refined
<b>Hazard Class</b>	4.1
<b>Packing Group</b>	III
<b>Classification Code</b>	F1
<b>Description</b>	UN1334, Naphthalene, refined, 4.1, III

**ADR**

UN-No

UN1334

**14. TRANSPORT INFORMATION**

**14. TRANSPORT INFORMATION**

**Proper Shipping Name** Naphthalene, refined  
**Hazard Class** 4.1  
**Packing Group** III  
**Classification Code** F1  
**Description** UN1334 Naphthalene, refined, 4.1, III

**ADN**

**UN-No** UN1334  
**Proper Shipping Name** Naphthalene, refined  
**Hazard Class** 4.1  
**Packing Group** III  
**Classification Code** F1  
**Special Provisions** 501  
**Description** UN1334 Naphthalene, refined, 4.1, III  
**Hazard Labels** 4.1  
**Limited Quantity** LQ9

**15. REGULATORY INFORMATION****International Inventories**

TSCA Complies  
 DSL All components are listed either on the DSL or NDSL.

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations****FIFRA**

This product is a pesticide registered by the Environmental Protection Agency and is subject to certain labeling requirements under Federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

*WARNING. May be fatal if inhaled. Do not breathe dust or vapors. Harmful if swallowed and harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before use.*

**EPA Pesticide Registration Number:** 1475-74

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Naphthalene - 91-20-3	91-20-3	99.95	0.1

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** Yes  
**Chronic Health Hazard** Yes  
**Fire Hazard** Yes  
**Sudden Release of Pressure Hazard** No  
**Reactive Hazard** No

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
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Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Naphthalene 91-20-3	100 lb	X	X	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Naphthalene 91-20-3	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ RQ 0.454 kg final RQ

**U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Naphthalene - 91-20-3	Carcinogen

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Naphthalene 91-20-3	X	X	X

**International Regulations**

Mexico - Grade

Moderate risk, Grade 2

Chemical Name	Carcinogen Status	Exposure Limits
Naphthalene		Mexico: TWA 10 ppm Mexico: TWA 50 mg/m <sup>3</sup> Mexico: STEL 15 ppm Mexico: STEL 75 mg/m <sup>3</sup>

Canada

**WHMIS Hazard Class**

- B4 Flammable solid
- D1B Toxic materials
- D2A Very toxic materials



**16. OTHER INFORMATION**

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazard 2</b>	<b>Flammability 2</b>	<b>Instability 0</b>	<b>Physical and Chemical Hazards -</b>
<b>HMIS</b>	<b>Health Hazard * 2</b>	<b>Flammability 2</b>	<b>Physical Hazard 0</b>	<b>Personal Protection X</b>
<i>Chronic Hazard Star Legend</i>	<i>*Indicates a chronic health hazard.</i>			

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Revision Date** 20-Oct-2014

**Revision Note** No information available

**General Disclaimer**

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text

**End of Safety Data Sheet**