

# SAFETY DATA SHEET

Issuing Date 02-Sept-2014

Revision Date 02-Sept-2014

Revision Number 1

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

**Product identifier**

Item Nos. F39, PARABC

**Product Name**

Enoz Moth Ice Crystals

**Other means of identification**

EPA Reg. No. 1475-1

**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).

Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 1B

**GHS Label elements, including precautionary statements**

### Emergency Overview

<b>Signal word</b>	Danger
<b>Hazard statements</b>	Causes serious eye irritation May cause cancer



**Appearance** White crystalline

**Physical State** Solid

**Odor** Characteristic Mothball

**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

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

- Although this product is solid, it can melt and become a combustible liquid at high temperatures (>61 °C/ 141.8 °F). All precautions for combustible liquids should be taken.

**Other information**

- Very toxic to aquatic life with long lasting effects

**Interactions with Other Chemicals** No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %	Trade Secret
p-Dichlorobenzene	106-46-7	99 - 100	N/A
o-Dichlorobenzene	95-50-1	0.1 - 1	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES**

**First aid measures**

**General Advice** 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. In the case of skin irritation or allergic reactions see a physician. Wash off with warm water and soap.
<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. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Protection of First-aiders</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Remove all sources of ignition. Use personal protective equipment. For personal protection see Section 8.

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

**Most Important Symptoms/Effects** No information available.

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

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Dry chemical, CO<sub>2</sub>, water spray or regular foam. Water spray, fog or regular foam. Move containers from fire area if you can do it without risk. Dike fire-control water for later disposal.

**Unsuitable Extinguishing Media**

Do not scatter spilled material with high pressure water streams.

**Specific Hazards Arising from the Chemical**

Some may burn but none ignite readily. Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations

**Uniform Fire Code** Irritant: Solid

**Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact** No

**Sensitivity to Static Discharge** Yes

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Do not touch or walk through spilled material. Stop leak if you can do it without risk. Evacuate personnel to safe areas. Use personal protective equipment. Refer to Section 8 Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

**Environmental precautions**

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas. Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent dust cloud.

**Methods for Cleaning Up** With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Take up with sand or other noncombustible absorbent material and place into containers for later disposal. Take precautionary measures against static discharges. Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling** Do not breathe vapors, mist or gas. Wear personal protective equipment. Avoid contact with skin and eyes. Keep away from heat, sparks and open flame. No smoking. Use only in area provided with appropriate exhaust ventilation. Keep in an area equipped with sprinklers Use according to package label instructions

**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
p-Dichlorobenzene 106-46-7	TWA: 10 ppm	TWA: 75 ppm TWA: 450 mg/m <sup>3</sup> (vacated) TWA: 75 ppm (vacated) TWA: 450 mg/m <sup>3</sup> (vacated) STEL: 110 ppm (vacated) STEL: 675 mg/m <sup>3</sup>	IDLH: 150 ppm
o-Dichlorobenzene 95-50-1	STEL: 50 ppm TWA: 25 ppm	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 300 mg/m <sup>3</sup> Ceiling: 50 ppm Ceiling: 300 mg/m <sup>3</sup>	IDLH: 200 ppm Ceiling: 50 ppm Ceiling: 300 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**                      If splashes are likely to occur, wear: Safety glasses with side-shields. None required for consumer use.

**Skin and Body Protection**                      Wear protective gloves/clothing.

**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>	Characteristic mothball
<b>Appearance</b>	White crystalline	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks/ Method</u></b>
<b>pH</b>	N/A	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>	65C / 149F	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>	No data available	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	

**Other Information**

<b>Softening Point</b>	No data available
<b>VOC Content (%)</b>	No data available



**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**NTP: (National Toxicity Program)**

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

**OSHA: (Occupational Safety & Health Administration)**

X - Present

**Reproductive Toxicity**

No information available

**STOT - single exposure**

No information available.

**STOT - repeated exposure**

No information available.

**Chronic Toxicity**

No known effect based on information supplied. Contains a known or suspected carcinogen

May cause adverse liver effects.

**Target Organ Effects**

Eyes. Respiratory system. Skin. Gastrointestinal tract (GI). Kidney. Liver. Blood.

**Aspiration Hazard**

No information available.

**Numerical measures of toxicity Product Information**

**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** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

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

**US EPA Waste Number** D027 U070 U072

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
p-Dichlorobenzene 106-46-7	waste number U072	Included in waste streams: F039, K149, K150	= 7.5 mg/L regulatory level	U072
o-Dichlorobenzene 95-50-1	U070	Included in waste streams: F002, F039, K042		U070

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
p-Dichlorobenzene 106-46-7	Category II – Semi-volatiles			
o-Dichlorobenzene 95-50-1	Category II - Semi-volatiles			

**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
p-Dichlorobenzene 106-46-7	Toxic
o-Dichlorobenzene 95-50-1	Toxic

**14. TRANSPORT INFORMATION**

**DOT**

**Proper Shipping Name** CONSUMER COMMODITY  
**Hazard Class** ORM-D  
**Subsidiary Class**  
**Marine Pollutant Description** This product contains a chemical which is listed as a severe marine pollutant according to DOT  
**Emergency Response Guide Number** CONSUMER COMMODITY, ORM-D, MARINE POLLUTANT  
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**TDG**

**UN-No** UN3077  
**Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
**Hazard Class** 9  
**Packing Group** III  
**Marine Pollutant Description** This product contains a chemical which is listed as a marine pollutant according to TDG.  
 UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(P-DICHLOROBENZENE, O-DICHLOROBENZENE ), 9, III, MARINE POLLUTANT

**14. TRANSPORT INFORMATION**

**MEX**

<b>UN-No</b>	UN3077
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(P-DICHLOROBENZENE, O-DICHLOROBENZENE ), 9, III, MARINE POLLUTANT

**ICAO**

<b>UN-No</b>	UN3077
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(P-DICHLOROBENZENE, O-DICHLOROBENZENE ), 9, III, MARINE POLLUTANT

**IATA**

<b>UN-No</b>	UN3077
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(P-DICHLOROBENZENE, O-DICHLOROBENZENE ), 9, III, MARINE POLLUTANT

**IMDG/IMO**

<b>UN-No</b>	UN3077
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>EmS No.</b>	F-A, S-F
<b>Marine Pollutant Description</b>	Product is a marine pollutant according to the criteria set by IMDG/IMO UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(P-DICHLOROBENZENE, O-DICHLOROBENZENE ), 9, III, MARINE POLLUTANT

**RID**

<b>UN-No</b>	UN3077
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Classification Code</b>	M7
<b>Description</b>	UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(P-DICHLOROBENZENE, O-DICHLOROBENZENE ), 9, III, MARINE POLLUTANT

**ADR**

<b>UN-No</b>	UN3077
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Classification Code</b>	M7
<b>Description</b>	UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(P-DICHLOROBENZENE, O-DICHLOROBENZENE ), 9, III, , MARINE POLLUTANT

**ADN**

<b>UN-No</b>	UN3077
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Classification Code</b>	M7
<b>Special Provisions</b>	274, 335, 601

**14. TRANSPORT INFORMATION**

**Description** UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(P-DICHLOROBENZENE, O-DICHLOROBENZENE ), 9, III, MARINE POLLUTANT  
**Hazard Labels** 9  
**Limited Quantity** 5 kg

**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. Causes substantial but temporary eye injury. Wear protective eyewear. Harmful if swallowed. Harmful if inhaled. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.*

**EPA Pesticide Registration Number:** 1475-1

**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 %
p-Dichlorobenzene - 106-46-7	106-46-7	99 - 100	0.1
o-Dichlorobenzene - 95-50-1	95-50-1	0.1 - 1	1.0

**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
p-Dichlorobenzene 106-46-7	100 lb	X	X	X
o-Dichlorobenzene 95-50-1	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
p-Dichlorobenzene 106-46-7	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
o-Dichlorobenzene 95-50-1	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

**U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
p-Dichlorobenzene - 106-46-7	Carcinogen

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
p-Dichlorobenzene 106-46-7	X	X	X
o-Dichlorobenzene 95-50-1	X	X	X

**International Regulations**

**Mexico - Grade**

Moderate risk, Grade 2

Chemical Name	Carcinogen Status	Exposure Limits
p-Dichlorobenzene	A3	Mexico: TWA 75 ppm Mexico: TWA 450 mg/m <sup>3</sup> Mexico: STEL 110 ppm Mexico: STEL 675 mg/m <sup>3</sup>
o-Dichlorobenzene		Mexico: TWA 50 ppm Mexico: TWA 300 mg/m <sup>3</sup>

**Canada**

**WHMIS Hazard Class**

D2A Very toxic materials



**16. OTHER INFORMATION**

**NFPA**

Health Hazard 2

Flammability 2

Instability 0

Physical and Chemical Hazards -

**HMIS**

Health Hazard 2 \*

Flammability 2

Physical Hazard 0

Personal Protection X

*Chronic Hazard Star Legend*

*\*Indicates a chronic health hazard.*

**Prepared By**

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

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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**