

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078924454

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

078924255 078924455

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

**Initial preparation date:** 01.15.2015

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**Exit® II Synergized**

### SECTION 1: Identification

#### Product identifier

**Product name:** Exit® II Synergized

**Product code:** 15872312, 11406211, 17345521

#### Recommended use of the product and restriction on use

**Relevant identified uses:** Insecticide

**Uses advised against:** Any use other than that recommended above.

**Reasons why uses advised against:** Not determined or not applicable.

#### Manufacturer or supplier details

##### Supplier:

##### United States

Aspen Veterinary Resources Ltd  
3155 W. Heartland Drive  
Liberty, MO 64068  
1-800-792-1238

#### Emergency telephone number:

##### United States

CHEMTREC

Within USA and Canada: 1-800-424-9300 (24 hours)

Outside USA and Canada: +1-703-527-3887 (24 hours)

### SECTION 2: Hazard(s) identification

#### GHS classification:

Skin sensitization, category 1

Specific target organ toxicity - repeated exposure, category 1

#### Label elements

##### Hazard pictograms:



**Signal word:** Danger

#### Hazard statements:

H317 May cause an allergic skin reaction

H372 Causes damage to organs (central nervous system) through prolonged or repeated exposure (inhalation)

#### Precautionary statements:

P260 Do not breathe fume/mist/vapors/spray

P264 Wash skin thoroughly after handling

P270 Do not eat, drink or smoke when using this product

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P272 Contaminated work clothing must not be allowed out of the workplace  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P302+P352 IF ON SKIN: Wash with plenty of water  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention  
P321 Specific treatment (see first aid instructions on this label)  
P363 Wash contaminated clothing before reuse  
P314 Get medical advice/attention if you feel unwell  
P501 Dispose of contents/container in accordance with all local, regional, state and federal regulations

**Hazards not otherwise classified:** None

### SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 8052-41-3	Petroleum Hydrocarbon	3
CAS number: 52645-53-1	Permethrin	1
CAS number: 51-03-6	Piperonyl Butoxide	1

#### Additional Information:

The specific chemical identity and/or exact percentages (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200)

### SECTION 4: First aid measures

#### Description of first aid measures

##### General notes:

Show this Safety Data Sheet to the doctor in attendance.

##### After inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

##### After skin contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

##### After eye contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

##### After swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

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

##### Acute symptoms and effects:

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Dermal exposure may cause an allergic skin reaction. Symptoms may include irritation, redness, pain, rash, inflammation, itching, burning and dermatitis.

### Delayed symptoms and effects:

Causes damage to organs through prolonged or repeated exposure. Effects are dependent on exposure (dose, concentration, contact time).

### Immediate medical attention and special treatment

#### Specific treatment:

Not determined or not applicable.

#### Notes for the doctor:

Treat symptomatically.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

#### Unsuitable extinguishing media:

Do not use water jet.

### Specific hazards during fire-fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

### Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

### Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

### Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

### Methods and material for containment and cleaning up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

### Reference to other sections:

For personal protective equipment see Section 8. For disposal see Section 13.

## SECTION 7: Handling and storage

### Precautions for safe handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid

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breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

### Conditions for safe storage, including any incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

## SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

### Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
OSHA	Petroleum Hydrocarbon	8052-41-3	PEL: 525 mg/m <sup>3</sup>
	Petroleum Hydrocarbon	8052-41-3	PEL: 100 ppm
	Permethrin	52645-53-1	8-Hour TWA: 5 mg/m <sup>3</sup>
NIOSH	Petroleum Hydrocarbon	8052-41-3	Ceiling Limit: 1800 mg/m <sup>3</sup> (15-min)
	Petroleum Hydrocarbon	8052-41-3	IDLH: 20000 mg/m <sup>3</sup>
	Petroleum Hydrocarbon	8052-41-3	REL: 350 mg/m <sup>3</sup>
	Permethrin	52645-53-1	IDLH: 5000 mg/m <sup>3</sup>
	Permethrin	52645-53-1	REL: 5 mg/m <sup>3</sup> (10-hour workday)
ACGIH	Petroleum Hydrocarbon	8052-41-3	8-Hour TWA: 100 ppm
	Permethrin	52645-53-1	8-Hour TWA: 5 mg/m <sup>3</sup>
United States(California)	Petroleum Hydrocarbon	8052-41-3	8-Hour TWA: 100 ppm
	Petroleum Hydrocarbon	8052-41-3	8-Hour TWA: 525 mg/m <sup>3</sup>
	Permethrin	52645-53-1	8-Hour TWA: 5 mg/m <sup>3</sup>

### Biological limit values:

No biological exposure limits noted for the ingredient(s).

### Information on monitoring procedures:

Not determined or not applicable.

### Appropriate engineering controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

### Personal protection equipment

#### Eye and face protection:

Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

#### Skin and body protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before

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handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

### Respiratory protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

### General hygienic measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	Light amber liquid
Odor	Mild hydrocarbon
Odor threshold	Not determined or not available.
pH	5.0-5.5
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	>230°F
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	7.16 (lbs/gal)
Relative density	0.858 g/mL
Solubilities	Negligible solubility in water
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	32.6 mPa at 25°C
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

### Other information

## SECTION 10: Stability and reactivity

### Reactivity:

Not reactive under recommended handling and storage conditions.

### Chemical stability:

Stable under recommended handling and storage conditions.

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### Possibility of hazardous reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

### Conditions to avoid:

Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

### Incompatible materials:

Strong oxidizing agents.

### Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

#### Substance data:

Name	Route	Result
Petroleum Hydrocarbon	oral	LD50 Rat: > 5000 mg/kg
	inhalation	LC50 Rat: > 5.5 mg/L (4 h)
	dermal	LD50 Rabbit: >3000 mg/kg
Permethrin	oral	LD50 Rat: 383 mg/kg
	inhalation	LC50 Rat: 485 mg/m <sup>3</sup>
	dermal	LD50 Rabbit: >2000 mg/kg
Piperonyl Butoxide	oral	LD50 Rat: 6150 mg/kg
	dermal	LD50 Rabbit: >2000 mg/kg
	inhalation	LC50 Rat: >5.9 mg/L (4 h)

### Skin corrosion/irritation

**Assessment:** Based on available data, the classification criteria are not met.

#### Product data:

No data available.

#### Substance data:

Name	Result
Petroleum Hydrocarbon	Causes skin irritation.

### Serious eye damage/irritation

**Assessment:** Based on available data, the classification criteria are not met.

#### Product data:

No data available.

#### Substance data:

Name	Result
Petroleum Hydrocarbon	Causes serious eye irritation.

### Respiratory or skin sensitization

#### Assessment:

May cause an allergic skin reaction.

#### Product data:

No data available.

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### Substance data:

Name	Result
Permethrin	May cause an allergic skin reaction.

### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

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

Name	Classification
Petroleum Hydrocarbon	Not Applicable
Permethrin	Group 3
Piperonyl Butoxide	Group 3

### National Toxicology Program (NTP):

Name	Classification
Petroleum Hydrocarbon	Not Applicable
Permethrin	Not Applicable
Piperonyl Butoxide	Not Applicable

**OSHA Carcinogens:** Not applicable

### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (single exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (repeated exposure)

**Assessment:**

Causes damage to organs through prolonged or repeated exposure.

**Product data:**

No data available.

**Substance data:**

Name	Result
Petroleum Hydrocarbon	Causes damage to the Central Nervous System through prolonged or repeated exposure via inhalation.

### Aspiration toxicity



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**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

Name	Result
Petroleum Hydrocarbon	May be fatal if swallowed and enters airways.

**Information on likely routes of exposure:**

Inhalation, Ingestion, Skin contact, Eye contact.

**Symptoms related to the physical, chemical and toxicological characteristics:**

Refer to Section 4 of this SDS.

**Other information:**

No data available.

## SECTION 12: Ecological information

**Acute (short-term) toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Petroleum Hydrocarbon	LC50 Oncorhynchus mykiss: 0.14 mg/L (96 hours)
Piperonyl Butoxide	EC50 Daphnia magna: 0.51 mg/L (48 h)

**Chronic (long-term) toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Petroleum Hydrocarbon	NOEC Oncorhynchus mykiss: 0.02 mg/L (30 d)
Piperonyl Butoxide	NOEC Pimephales promelas: 0.18 mg/L (35 d)

**Persistence and degradability**

**Product data:** No data available.

**Substance data:**

Name	Result
Petroleum Hydrocarbon	Readily biodegradable.

**Bioaccumulative potential**

**Product data:** No data available.

**Substance data:**

Name	Result
Petroleum Hydrocarbon	BCF: 39.66 L/Kg ww; Not considered to be bioaccumulative.
Piperonyl Butoxide	The substance has the potential to bioaccumulate significantly (low Kow: 4.75).

**Mobility in soil**

**Product data:** No data available.

**Substance data:**

Name	Result
Petroleum Hydrocarbon	Koc at 20°C: 1451

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## Results of PBT and vPvB assessment

### Product data:

**PBT assessment:** This product does not contain any substances that are assessed to be a PBT.

**vPvB assessment:** This product does not contain any substances that are assessed to be a vPvB.

### Substance data:

#### PBT assessment:

Petroleum Hydrocarbon	The substance is not PBT.
Piperonyl Butoxide	The substance is not PBT.

#### vPvB assessment:

Petroleum Hydrocarbon	The substance is not vPvB.
Piperonyl Butoxide	The substance is not vPvB.

**Other adverse effects:** No data available.

## SECTION 13: Disposal considerations

### Disposal methods:


Pesticide wastes are toxic. Do not contaminate water, food, or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### Contaminated packages:


Not determined or not applicable.

## SECTION 14: Transport information

### United States Transportation of dangerous goods (49 CFR DOT)

UN number	3082
UN proper shipping name	Environmentally hazardous substance, liquid, N.O.S. (Permethrin)
UN transport hazard class(es)	9 
Packing group	III
Environmental hazards	Marine Pollutant
Special precautions for user	None
Passenger air/rail	No limit
Cargo aircraft only	No limit
Stowage category	A

### International Maritime Dangerous Goods (IMDG)

UN number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERMETHRIN)
UN transport hazard class(es)	9 
Packing group	III
Environmental hazards	Marine Pollutant

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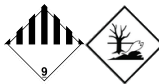
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Special precautions for user	None
EMS number	F-A, S-F
Stowage category	A
Excepted quantities	E1
Limited quantity	5L

### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Permethrin)
UN transport hazard class(es)	9 
Packing group	III
Environmental hazards	Marine Pollutant
Special precautions for user	None
ERG code	9L
Excepted quantities	E1
Passenger and cargo	450L
Cargo aircraft only	450L
Limited quantity	30 kg G

## SECTION 15: Regulatory information

### United States regulations

**Inventory listing (TSCA):** All ingredients are listed-active or exempt.

**Significant New Use Rule (TSCA Section 5):** None of the ingredients are listed.

**Export notification under TSCA Section 12(b):** None of the ingredients are listed.

**SARA Section 302 extremely hazardous substances:** None of the ingredients are listed.

**SARA Section 313 toxic chemicals:**

52645-53-1	Permethrin	Listed
51-03-6	Piperonyl Butoxide	Listed

**CERCLA:** None of the ingredients are listed.

**RCRA:** None of the ingredients are listed.

**Section 112(r) of the Clean Air Act (CAA):** None of the ingredients are listed.

**Massachusetts Right to Know:**

8052-41-3	Petroleum Hydrocarbon	Listed
52645-53-1	Permethrin	Listed

**New Jersey Right to Know:**

8052-41-3	Petroleum Hydrocarbon	Listed
52645-53-1	Permethrin	Listed
51-03-6	Piperonyl Butoxide	Listed

**New York Right to Know:**

8052-41-3	Petroleum Hydrocarbon	Listed
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**Pennsylvania Right to Know:**

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8052-41-3	Petroleum Hydrocarbon	Listed
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**California Proposition 65:** None of the ingredients are listed.

### SECTION 16: Other information

**Abbreviations and Acronyms:** None

**Disclaimer:**

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 3-0-0

**HMIS:** 3\*-0-0

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**End of Safety Data Sheet**