

SAFETY DATA SHEETS

This SDS packet was issued with item:

078924352

N/A

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.01.2015

Page 1 of 11

Revision date: 03.23.2021

Screw Worm Aerosol Wound Spray

SECTION 1: Identification

Product identifier

Product name: Screw Worm Aerosol Wound Spray

Product code: 18260075

Recommended use of the product and restriction on use

Relevant identified uses: Insecticide

Uses advised against: Not determined or not applicable.

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

Germ cell mutagenicity, category 1B

Carcinogenicity, category 1B

Flammable aerosols, category 2

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H223 Flammable aerosol

H317 May cause an allergic skin reaction

H340 May cause genetic defects

H350 May cause cancer

Precautionary statements:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.01.2015

Page 2 of 11

Revision date: 03.23.2021

Screw Worm Aerosol Wound Spray

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking
P211 Do not spray on an open flame or other ignition source
P251 Pressurized container: Do not pierce or burn, even after use
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P280 Wear protective gloves/protective clothing/eye protection/face protection
P272 Contaminated work clothing must not be allowed out of the workplace
P321 Specific treatment (see supplemental first-aid instructions on this label)
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P363 Wash contaminated clothing before reuse
P333+P313 If skin irritation or rash occurs: Get medical advice/attention
P308+P313 IF exposed or concerned: Get medical advice/attention
P405 Store locked up
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 68476-86-8	Petroleum gases, liquefied, sweetened	10-20
CAS number: 64741-65-7	Naphtha (petroleum), heavy alkylate	1-10
CAS number: 52645-53-1	Permethrin	<0.5

Additional Information:

The specific chemical identity and/or exact percentage (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 symptoms develop or persist, 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.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.01.2015

Page 3 of 11

Revision date: 03.23.2021

Screw Worm Aerosol Wound Spray

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:

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

Pressurized containers are prone to bursting if mishandled and causing physical injury.

Delayed symptoms and effects:

Exposure may cause genetic defects.

Exposure may cause cancer.

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:

Flammable liquid under pressure. Containers may explode when heated. Ruptured cylinders pose a projectile hazard. Vapor/gas is often heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas and travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create a fire or explosion hazard. 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. Use shielding to protect against bursting containers.

Special precautions:

Evacuate non-essential personnel. Ventilate closed spaces before entering. Consider initial evacuation for 800 meters in all directions. If tank/rail car is involved in the fire, ISOLATE for 800 meters in all directions. Move containers from fire area if safe to do so. Fight fire from a maximum distance. Use water spray/fog for cooling fire exposed containers. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Avoid unnecessary run-off of extinguishing media which may cause pollution. Do not handle damaged containers unless specialized to do so.

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.01.2015

Page 4 of 11

Revision date: 03.23.2021

Screw Worm Aerosol Wound Spray

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). Do not get on skin, eyes or on clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling. Remove contaminated clothing and laundry before reuse.

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. Avoid breathing dust, mist, fumes, vapors or spray. 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:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only non-sparking tools. Do not puncture, pressurize or incinerate. Inspect all cylinders and valves for damage. Make sure cylinders are not giving off an odor or making a hissing sound. Never open a damaged valve. Never tamper with safety devices in cylinders, valves or equipment. Handle containers with caution. Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid 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. Store upright. 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. Containers less than 230 liters should be kept in a fire-resistant storage cabinet or inside storage room rated for fire resistance. Do not store near exits or oxygen cylinders. Consider the use of leak detection and alarm equipment. 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
NIOSH	Naphtha (petroleum), heavy alkylate	64741-65-7	IDLH: 1000 ppm (Naphtha [coal tar])
	Naphtha (petroleum), heavy alkylate	64741-65-7	REL-TWA: 100 ppm (up to 10 hr; Naphtha [coal tar])
	Permethrin	52645-53-1	IDLH: 5000 mg/m ³
	Permethrin	52645-53-1	REL: 5 mg/m ³ (10-hour workday)

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.01.2015

Page 5 of 11

Revision date: 03.23.2021

Screw Worm Aerosol Wound Spray

Country (Legal Basis)	Substance	Identifier	Permissible concentration
OSHA	Naphtha (petroleum), heavy alkylate	64741-65-7	8-Hour TWA-PEL: 100 ppm (Naphtha [coal tar])
	Permethrin	52645-53-1	8-Hour TWA: 5 mg/m ³
United States(California)	Naphtha (petroleum), heavy alkylate	64741-65-7	8-Hour TWA-PEL: 300 ppm (Naphtha [varnish makers and painters] and rubber solvent)
	Naphtha (petroleum), heavy alkylate	64741-65-7	15-Minute STEL: 400 ppm
	Permethrin	52645-53-1	8-Hour TWA: 5 mg/m ³
ACGIH	Permethrin	52645-53-1	8-Hour TWA: 5 mg/m ³

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 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. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

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	White to milky emulsion (aerosol)
Odor	Moth ball odor

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.01.2015

Page 6 of 11

Revision date: 03.23.2021

Screw Worm Aerosol Wound Spray

Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Aerosol under pressure
Flash point (closed cup)	Not determined or not available.
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	Not determined or not available.
Relative density	0.792 mg/mL
Solubilities	Not determined or not available.
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	Not determined or not available.
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.

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 oxidizers.

Hazardous decomposition products:

Carbon monoxide, carbon dioxide.

SECTION 11: Toxicological information

Acute toxicity

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

Product data: No data available.

Substance data:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.01.2015

Page 7 of 11

Revision date: 03.23.2021

Screw Worm Aerosol Wound Spray

Name	Route	Result
Permethrin	oral	LD50 Rat: 383 mg/kg
	inhalation	LC50 Rat: 485 mg/m ³
	dermal	LD50 Rabbit: >2000 mg/kg

Skin corrosion/irritation

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

Product data:

No data available.

Substance data: No data available.

Serious eye damage/irritation

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

Product data:

No data available.

Substance data: No data available.

Respiratory or skin sensitization

Assessment:

May cause an allergic skin reaction.

Product data:

No data available.

Substance data:

Name	Result
Permethrin	May cause an allergic skin reaction.

Carcinogenicity

Assessment:

May cause cancer.

Product data: No data available.

Substance data:

Name	Species	Result
Petroleum gases, liquefied, sweetened		May cause cancer.
Naphtha (petroleum), heavy alkylate		May cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Permethrin	Group 3

National Toxicology Program (NTP): None of the ingredients are listed.

OSHA Carcinogens: Not applicable

Germ cell mutagenicity

Assessment:

May cause genetic defects.

Product data:

No data available.

Substance data:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.01.2015

Page 8 of 11

Revision date: 03.23.2021

Screw Worm Aerosol Wound Spray

Name	Result
Petroleum gases, liquefied, sweetened	May cause genetic defects.
Naphtha (petroleum), heavy alkylate	May cause genetic defects.

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

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

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

Product data:

No data available.

Substance data:

Name	Result
Naphtha (petroleum), heavy alkylate	May be fatal if swallowed and enters airways.

Information on likely routes of exposure:

Dermal, inhalation, ingestion.

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 gases, liquefied, sweetened	LC50 Fish: 24.11 - 147.54 mg/L (96 hours)

Chronic (long-term) toxicity

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

Product data: No data available.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.01.2015

Page 9 of 11

Revision date: 03.23.2021

Screw Worm Aerosol Wound Spray

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
Petroleum gases, liquefied, sweetened	Readily biodegradable in water (100% degradation after 385.5 hr).

Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Substance data: No data available.

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 gases, liquefied, sweetened	Substance is not PBT.
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vPvB assessment:

Petroleum gases, liquefied, sweetened	Substance is not vPvB.
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Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

Contaminated packages:

Not determined or not applicable.

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	UN1950
UN proper shipping name	Aerosols, flammable, (each not exceeding 1 L capacity)
UN transport hazard class(es)	2.1 
Packing group	None
Environmental hazards	None
Special precautions for user	None
Passenger air/rail	75 kg
Cargo aircraft only	150 kg

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.01.2015

Page 10 of 11

Revision date: 03.23.2021

Screw Worm Aerosol Wound Spray

Stowage category	A
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International Maritime Dangerous Goods (IMDG)

UN number	UN1950
UN proper shipping name	Aerosols
UN transport hazard class(es)	2.1 
Packing group	None
Environmental hazards	None
Special precautions for user	None
EMS number	F-D, S-U
Stowage category	Protected from sources of heat. For aerosols with a maximum capacity of 1 L: Category A.

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

UN number	UN1950
UN proper shipping name	Aerosols, flammable
UN transport hazard class(es)	2.1 
Packing group	None
Environmental hazards	None
Special precautions for user	None
ERG code	10L
Excepted quantities	E0
Passenger and cargo	75 kg
Cargo aircraft only	150 kg
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
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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:

64741-65-7	Naphtha (petroleum), heavy alkylate	Listed
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Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.01.2015

Page 11 of 11

Revision date: 03.23.2021

Screw Worm Aerosol Wound Spray

52645-53-1	Permethrin	Listed
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New Jersey Right to Know:

64741-65-7	Naphtha (petroleum), heavy alkylate	Listed
52645-53-1	Permethrin	Listed

New York Right to Know:

64741-65-7	Naphtha (petroleum), heavy alkylate	Listed
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Pennsylvania Right to Know:

64741-65-7	Naphtha (petroleum), heavy alkylate	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: 2-4-0

HMIS: 2*-4-0

Initial preparation date: 06.01.2015

Revision date: 03.23.2021

Revision Notes:

Revision Date	Notes
2021-03-23	Version # 2; Classification update, composition display change resulting in occupational exposure limits reported, and Section 14 updated.

Additional information:

This chemical is a pesticide product 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.

Caution: Harmful if swallowed or absorbed through skin. Keep away from children, domestic animals and pets. Do not get in eyes, on skin or on clothing. All handlers (including applicators) must wear shoes plus socks, and gloves. Any person who retrieves carcasses or unused bait following application of this product must wear waterproof gloves.

EPA Registration Number: 47000-100-40940

End of Safety Data Sheet