

 <p>W.F. YOUNG ESTD 1892</p>	<p>Absorbine® Flys-X® Ready to Use Insecticide</p> <p>SAFETY DATA SHEET</p> <p>According to 29CFR 1910.1200 OSHA Hazard Communication Standard</p>	Document Code:	SDS-0044
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SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Non-Hazardous Ingredients	CAS-No.: Mixture	≥ 80
Piperonyl butoxide	CAS-No.: 51-03-6	1.0
Pyrethrins	CAS-No.: 8003-34-7	0.1

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret
Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: No particular/specific measures required.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
First-aid measures after skin contact	: Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use. May cause slight temporary irritation.
Inhalation	: No adverse effects expected.
Skin	: No adverse effects expected.
Eyes	: No adverse effects expected under normal conditions of use. Slight irritation.
Ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. May cause irritation to the digestive tract.
Chronic symptoms	: None known.

4.3. Immediate medical attention and special treatment, if necessary

Not required. Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: None.

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5.2. Specific hazards arising from the chemical

Fire hazard : Not flammable.
Hazardous decomposition products in case of fire : Carbon oxides (CO, CO2).

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Cool down the containers exposed to heat with a water spray.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not touch or walk on the spilled product. Avoid contact with skin, eyes and clothing. Always wash hands after handling the product. Use personal protective equipment as required.

6.1.1. For non-emergency personnel

Emergency procedures : Avoid contact with skin and eyes. Avoid breathing mist, vapors.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid unintended release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Stop leak if safe to do so.
Methods for cleaning up : Absorb and/or contain spill with inert material, then place in suitable container.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Read and understand the entire label before using. Use only according to label directions. It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Ensure adequate ventilation. Avoid breathing mist, vapors. Avoid contact with eyes, skin and clothing. Wear personal protective equipment. Non-refillable container. Do not reuse or refill this container.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Refer to product label for additional information on use and handling.
Storage conditions : Store in dry, well-ventilated area. Keep cool. Protect from freezing. Store locked up.

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Storage temperature : > 0 °C
Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Pyrethrins (8003-34-7)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Pyrethrum
ACGIH OEL TWA	5 mg/m ³
Remark (ACGIH)	TLV® Basis: Liver dam; LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Pyrethrum
OSHA PEL (TWA)	5 mg/m ³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls : Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.
Environmental exposure controls : Avoid unintended release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Wear recommended personal protective equipment.

Hand protection:
Wear impervious gloves.

Eye protection:
Avoid contact with eyes. Use suitable eye protection

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Thermal hazard protection:
Not applicable.

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SAFETY DATA SHEET

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear. Liquid. Colorless to yellow.
Color	: Colorless to yellow
Odor	: Citronella
Odor threshold	: No data available
pH	: 7
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 100 °C
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Product is not explosive.
Oxidizing properties	: Not oxidising.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Oxidizing agents, reducing agents, acids, bases.

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10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
 Acute toxicity (dermal) : Not classified
 Acute toxicity (inhalation) : Not classified

Piperonyl butoxide (51-03-6)

LD50 oral rat	5630 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 5.9 mg/l/4h

Pyrethrins (8003-34-7)

LD50 oral rat	584 – 900 mg/kg
LD50 dermal rat	1350 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	3.4 mg/l/4h

Skin corrosion/irritation : Not classified
 pH: 7
 Serious eye damage/irritation : Not classified
 pH: 7
 Respiratory or skin sensitization : Not classified
 Germ cell mutagenicity : Not classified
 Carcinogenicity : Not classified

Piperonyl butoxide (51-03-6)

IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

Piperonyl butoxide (51-03-6)

LOAEL (dermal,rat/rabbit,90 days)	≥ 1000 mg/kg body weight Animal: rabbit, Guideline: EPA OPP 82-2 (Repeated Dose Dermal Toxicity -21/28 Days)
NOAEL (dermal,rat/rabbit,90 days)	≥ 1000 mg/kg body weight Animal: rabbit, Guideline: EPA OPP 82-2 (Repeated Dose Dermal Toxicity -21/28 Days)

Aspiration hazard : Not classified
 Viscosity, kinematic : No data available
 Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use. May cause slight temporary irritation.
 Inhalation : No adverse effects expected.
 Skin : No adverse effects expected.
 Eyes : No adverse effects expected under normal conditions of use. Slight irritation.

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Ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. May cause irritation to the digestive tract.

Chronic symptoms : None known.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Avoid release to the environment. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Piperonyl butoxide (51-03-6)

LC50 - Fish [1]	5.37 mg/l <i>Lepomis macrochirus</i> (Bluegill)
EC50 - Crustacea [1]	510 µg/l <i>Daphnia magna</i> (Water flea)
LC50 - Fish [2]	3.94 mg/l <i>Cyprinodon variegatus</i> (sheepshead minnow)
EC50 72h - Algae [1]	3.89 mg/l <i>Pseudokirchneriella subcapitata</i>
NOEC (chronic)	0.03 mg/l <i>Daphnia magna</i> (Water flea)
NOEC chronic fish	0.18 mg/l <i>Pimephales promelas</i> (Fathead minnow)

Pyrethrins (8003-34-7)

LC50 - Fish [1]	0.0032 mg/l <i>Oncorhynchus mykiss</i> (Rainbow trout)
EC50 - Crustacea [1]	0.025 mg/l <i>Daphnia Pulex</i>

12.2. Persistence and degradability

Absorbine® Flys-X

Persistence and degradability	Not established.
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Piperonyl butoxide (51-03-6)

Persistence and degradability	Not rapidly degradable
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Pyrethrins (8003-34-7)

Persistence and degradability	Rapidly degradable
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Non-Hazardous Ingredients (Mixture)

Persistence and degradability	No data available.
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Disposal methods

- Regional waste regulation : Refer to product label for additional information on use and handling. PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate ground water. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
- Product/Packaging disposal recommendations : Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. If empty: Place in trash or offer for recycling if available. If partly filled: Do not pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options. Never place unused product down any indoor or outdoor drain.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

14.6. Special precautions for user

DOT
Not regulated

IMDG
Not regulated

IATA
Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15: Regulatory information

15.1. US Federal regulations

Absorbine® Flys-X

SARA Section 311/312 Hazard Classes	Refer to Section 2 for OSHA Hazard Classification.
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All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Piperonyl butoxide	CAS-No. 51-03-6	1.0%
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Pyrethrins (8003-34-7)

CERCLA RQ	1 lb
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FIFRA Labelling

EPA Registration Number	1543-10
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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.

FIFRA Signal Word	Caution
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FIFRA Precautionary Statement	Keep out of reach of children. Hazards to Humans and Domestic Animals.
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FIFRA Human Health Hazards	Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
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FIFRA First Aid	<p>If in eyes: · Hold eye open and rinse slowly and gently with water for 15-20 minutes. · Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. · Call a poison control center or doctor for treatment advice.</p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-628-9653 for emergency medical treatment information.</p>
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FIFRA Other	<p>STORAGE AND DISPOSAL</p> <p>Pesticide Storage: Store in a cool area above 32 °F and protect from freezing. Store in original container only in a locked storage area.</p> <p>Pesticide Disposal and Container Handling: Non-refillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.</p>
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15.2. International regulations

No additional information available

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15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Piperonyl butoxide(51-03-6)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - New Jersey - Right to Know Hazardous Substance List
Pyrethrins(8003-34-7)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

Safety Data Sheet (SDS), USA

WF Young, Inc. urges each customer or recipient of this Safety Data Sheet to study it carefully and consult, if necessary or appropriate, experts in the field to be aware of the information contained in this SDS and any hazards associated with this product and understand them. Information herein is provided in good faith and believed to be accurate as of the date shown above. However, no warranty is given, either expressed or implied. The Regulatory requirements are subject to change and may vary by location. There is the responsibility of the purchaser / user to ensure that its activities comply with legislation. The information presented here pertains only to the product as shipped. The terms of use of the product are not under the control of the manufacturer, it is the duty of the purchaser / user to determine the conditions necessary for the safe use of this product. Due to the proliferation of information sources such as the Data Sheets (MSDS) specific to a manufacturer, we are not responsible and cannot be held accountable for SDSs obtained from any source other than ourselves. If you obtained an SDS from another source or if you are worried that your SDS is outdated, please contact us for the latest version.

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