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SAFETY DATA SHEET

ABSORBINE® ULTRASHIELD® EX INSECTICIDE & REPELLENT

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

1.1 Trade Name (as labeled):	Absorbine® Ultrashield® EX Insecticide & Repellent
Synonyms:	N/A
CAS No:	Mixture
1.2 Product Use:	Residual insecticide use
1.3 Company Name:	W.F. Young
Company Address:	302 Benton Dr
Company Address Cont:	East Longmeadow, MA 01028
Business Phone:	(413) 526-9999
Website:	www.wfyoung.com
1.4 Emergency Telephone Number:	(413) 526-9999
Date of Current Revision:	June 6, 2017
Date of Last Revision:	May 26, 2017

SECTION 2 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This product is a white liquid with a characteristic insecticide odor.**Health Hazards:** May cause eye irritation.**Flammability Hazards:** This product is a flammable liquid with a flash point of 98.8°F (37.1°C).**Reactivity Hazards:** None.**Environmental Hazards:** The environmental effects of this product have not been investigated, however release may cause long term adverse environmental effects.

EU and GHS Symbols:



Signal Word:

Warning!

2.1 EU Labeling and Classification:

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC, 2015/830/EU and subsequent Directives.

EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC:**Index Number:**

EC# 200-661-7 is listed in Annex VI Index# 603-117-00-0

EC# 200-076-7 is not listed in Annex VI

EC# 232-319-8 is not listed in Annex VI

Substances not listed either individually or in group entries must be self classified.

Components Contributing to Classification: Isopropyl Alcohol, Piperonyl butoxide, Pyrethrins

2.2 Label Elements:

GHS Hazard Classifications:

Flammable Liquid Category 3

Eye Irritation Category 2A

Aquatic Acute Category 3

Aquatic Chronic Category 3

H226: Flammable liquid and vapour

H319: Causes serious eye irritation

H402: Harmful to aquatic life

H412: Harmful to aquatic life with long lasting effects

Hazard Statements:

Prevention Statements:

P272: Contaminated work clothing should not be allowed out of the workspace.

P264: Wash thoroughly after handling.

P280: Wear eye protection/face protection.

P210: Keep away from heat/sparks/open flame/hot surfaces. No smoking.

P233: Keep container tightly closed.

P240: Ground/Bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P273: Avoid release to the environment.

Response Statements:

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378: In case of fire use water, foam, dry chemical, carbon dioxide or halon to extinguish.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P403+P235: Store in well-ventilated place. Keep cool.

Storage Statements:**Disposal Statements:**

P501: Dispose of contents/container in accordance with local/regional/national/international regulations

2.3 Health Hazards or Risks From Exposure:**Symptoms of Overexposure by Route of Exposure:**

The most significant routes of overexposure for this product are by contact with skin or eyes. The symptoms of overexposure are described in the following paragraphs.

Acute:

Inhalation: May cause drowsiness or dizziness.

Skin Contact: May cause irritation to skin.

Eye Contact: Direct contact to the eyes may be irritating.

Ingestion: May cause irritation if swallowed.

Chronic: None known**Target Organs:**

Acute: Skin, Eyes

Chronic: None known

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS No.	EINECS No.	Hazard Classification
Isopropyl Alcohol	10-12%	67-63-0	200-661-7	Flammable Liquid Category 2, Eye Irritation Category 2A, STOT SE Category 3 (CNS)
Piperonyl butoxide	1%	51-03-6	200-076-7	Aquatic Acute 1, Aquatic Chronic 1
Pyrethrins	0.1%	8003-34-7	232-319-8	Acute Toxicity 4 (Oral, Dermal, Inhalation) Aquatic Acute 1, Aquatic Chronic 1
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).				

Note: All WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250:2000

SECTION 4 - FIRST AID MEASURES**4.1 Description of First Aid Measures:****Eye Contact:**

If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Remove contacts if present and easy to do. Seek medical attention if irritation persists.

Skin Contact:

Inhalation:

Ingestion:

Medical Conditions Generally Aggravated by Exposure:

4.2 Symptoms and Effects Both Acute and Delayed:

4.3 Recommendations to Physicians:

Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

If product is swallowed, call physician or poison center immediately. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

Pre-existing skin, respiratory system or eye problems may be aggravated by prolonged contact.

Exposure to skin and eyes may cause irritation.

Treat symptoms and eliminate overexposure.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Fire Extinguishing Materials:

Use the following fire extinguishing materials:

Note:

5.2 Unusual Fire and Explosion Hazards:

Explosive Sensitivity to Mechanical Impact:

Explosive Sensitivity to Static Discharge:

Water Spray: Yes

Foam: Yes

Halon: Yes

Carbon Dioxide: Yes

Dry Chemical: Yes

Other: Any "C" Class








This product was tested, via ASTM Method D4206-96, with a result indicating that it does NOT sustain combustion.

No

No

- Incipient fire responders should wear eye protection.
- Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment.
- Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray.
- If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

5.3 Special Fire-Fighting Procedures:

NFPA RATING SYSTEM		HMIS RATING SYSTEM									
<p>Flammability</p>  <p>Health</p> <p>Reactivity</p> <p>Other</p>		<p>HAZARDOUS MATERIAL IDENTIFICATION SYSTEM</p> <table><tr><td>HEALTH HAZARD (BLUE)</td><td>1</td></tr><tr><td>FLAMMABILITY HAZARD (RED)</td><td>3</td></tr><tr><td>PHYSICAL HAZARD (YELLOW)</td><td>0</td></tr></table>		HEALTH HAZARD (BLUE)	1	FLAMMABILITY HAZARD (RED)	3	PHYSICAL HAZARD (YELLOW)	0		
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		<p>PROTECTIVE EQUIPMENT</p> <table><tr><th>EYES</th><th>RESPIRATORY</th><th>HANDS</th><th>BODY</th></tr><tr><td></td><td>See Sect 8</td><td></td><td>See Sect 8</td></tr></table>		EYES	RESPIRATORY	HANDS	BODY		See Sect 8		See Sect 8
EYES	RESPIRATORY	HANDS	BODY								
	See Sect 8		See Sect 8								
<p>For Routine Industrial Use and Handling Applications</p>											
<p>Hazard Scale: 0 = Minimum 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Hazard</p>											

SECTION 6 - ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Use cautious judgment when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection. Keep away from ignition sources. In case of fire, do not spray onto a naked flame or any incandescent material.

6.2 Environmental Precautions:

Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

6.3 Spill and Leak Response:**Small Spills:**

- Collect material via broom or mop. Place in tightly sealed containers for proper disposal.
- Approach spill areas with caution.
- If liquid was introduced, create a dike or trench to contain material. Soak up with absorbent material such as clay, sand or other suitable non-reactive material.

Large Spills:

- Place in leak-proof containers. Seal tightly for proper disposal.
- Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

SECTION 7 - HANDLING AND STORAGE**7.1 Precautions for Safe Handling:**

To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Do not handle or store near heat, sparks, or flame.

7.2 Storage and Handling Practices:

Keep away from incompatible materials. Keep container closed when not in use and store in well ventilated area.

7.3 Specific Uses:

See section 1.2.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION**8.1 Exposure Parameters:**

Ingredients	CAS No.	OSHA PEL	NIOSH PEL
Isopropyl Alcohol	67-63-0	400 ppm / 980 mg/m ³	400 ppm / 980 mg/m ³
Piperonyl butoxide	51-03-6	Not Established	Not Established
Pyrethrins	8003-34-7	5 mg/m ³	5 mg/m ³

8.2 Exposure Controls:**Ventilation and Engineering Controls:**

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132), or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory Protection:

Not required for properly ventilated areas.

Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Eye Protection:

Safety glasses or goggles are required.

If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

Hand Protection:

Chemical resistant gloves are recommended to prevent skin contact.

If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

Body Protection:

Use body protect appropriate to task being performed. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on Basic Physical and Chemical Properties:**

Appearance (Physical State and Color): White liquid
Odor: Characteristic insecticide odour
Odor Threshold: No data available
pH: 5.58
Melting/Freezing Point: No data available
Boiling Point: 212°F (100°C)
Flash Point: 98.8°F (37.1°C)
Evaporation Rate: <1
Flammability (Solid; Gas): Not applicable
Upper/Lower Flammability or Explosion Limits: No data available
Vapor Pressure (mm Hg @ 20°C (68° F): No data available
Vapor Density: >1
Relative Density: 0.987 g/cm³
Specific Gravity: No data available
Solubility in Water: Complete
Weight per Gallon: 8,236 lb/gallon
Partition Coefficient (n-octanol/water): No data available
Auto-Ignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: 2.495 centistokes

No data available

9.2 Other Information:**SECTION 10 - STABILITY AND REACTIVITY****10.1 Reactivity:**

This product is not reactive.

10.2 Stability:

Stable under conditions of normal storage and use.

10.3 Possibility of Hazardous Reactions:

Will not occur.

10.4 Conditions to Avoid:

Incompatible materials, ignition sources.

10.5 Incompatible Substances:

Strong oxidizers, strong acids.

10.6 Hazardous Decomposition Products:

Will not occur if handled and stored properly. In case of fire, oxides of carbon fumes or vapors and smoke may be produced.

SECTION 11 - TOXICOLOGICAL INFORMATION**11.1 Information on Toxicological Effects:****Toxicity Data:**

Isopropyl Alcohol	67-63-0	LD50 Oral – Rat	7060 mg/kg
		LD50 Dermal – Rabbit	12,800 mg/kg
Piperonyl butoxide	51-03-6	LC50 Inhalation – Rat	>5.9 mg/l (4h)
		LD50 Dermal – Rabbit	>2,000 mg/kg
Pyrethrins	8003-34-7	LD50 Oral – Rat	200 mg/kg
		LC50 Dermal – Rabbit	300 mg/kg

Suspected Cancer Agent:

Ingredients within this product are not found on one or more of the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be cancer-causing agents by these agencies.

Irritancy:

Eye irritation.

Sensitization to the Product:

This product is not anticipated to cause skin or respiratory sensitization.

Germ Cell Mutagenicity:

This product does not contain ingredients that are suspected to be a germ cell mutagenic.

Reproductive Toxicity:

This product is not expected to be a human reproductive toxicant.

SECTION 12 - ECOLOGICAL INFORMATION**12.1 Toxicity:**

No specific data available on this product.

12.2 Persistence and Degradability:

No specific data available on this product.

12.3 Bioaccumulative Potential:

No specific data available on this product.

12.4 Mobility in Soil:

No specific data available on this product.

12.5 Results of PBT and vPvB Assessment:

No specific data available on this product.

12.6 Other Adverse Effects:

No data available

12.7 Water Endangerment Class:

At present, there are no ecotoxicological assessments for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS**13.1 Waste Treatment Methods:**

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Australia, EU Member States and Japan.

13.2 EU Waste Code:

Not determined

SECTION 14 - TRANSPORTATION INFORMATION**14.1 U.S. Department of Transportation (DOT) Shipping Regulations (BULK):**

This product is not classified (per 49 CFR 172.101) by the U.S. Department of Transportation. The product was tested and proven to not sustain combustion via ASTM Method D4206-96.

UN Identification Number:

None

Proper Shipping Name:

Not Regulated

Hazard Class Number and Description:

None

Packing Group:

None

DOT Label(s) Required:

None

North American Emergency Response Guidebook Number:

N/A

14.2 Environmental Hazards:

Marine Pollutant:

The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

14.3 Special Precaution for User:

None

14.4 International Air Transport Association Shipping Information (IATA):

This product is not considered as dangerous goods.

14.5 International Maritime Organization Shipping Information (IMO):

This product is not considered as dangerous goods.

SECTION 15 - REGULATORY INFORMATION**15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture:****United States Regulations:****U.S. SARA Reporting Requirements:**

The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

2-Propanol CAS# 67-63-0

U.S. SARA 311/312:

Acute Health: Yes; Chronic Health: No; Fire: Yes; Reactivity: No

U.S. CERCLA Reportable Quantity:

None known

U.S. TSCA Inventory Status:

The components of this product are listed on the TSCA Inventory or are exempted from listing.

Other U.S. Federal Regulations:

None known

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

This product does not contain ingredients on the Proposition 65 Lists.

15.2 Canadian Regulations:**Canadian DSL/NDSL Inventory Status:**

Components are DSL Listed, NDSL Listed and/or are exempt from listing

Other Canadian Regulations:

Not applicable

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian WHMIS Classification and Symbols:

This product is classified per WHMIS Controlled Product Regulations.

15.3 European Economic Community Information:

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC, 2015/830/EU and subsequent Directives. See Section 2 for Details.

Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

15.4 Australian Information for Product:

Components of this product are listed on the International Chemical Inventory list.

15.5 Japanese Information for Product:

Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

15.6 International Chemical Inventories:

Listing of the components on individual country Chemical Inventories is as follows:

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

U.S. TSCA: Listed

SECTION 16 - ADDITIONAL INFORMATION

Prepared By: Chris Eigbrett (MSDS to GHS Compliance)

Date of Printing: June 6, 2017

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. W.F.Young assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, W.F.Young assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

END OF SDS SHEET