

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME: Ultrashield<sup>®</sup> Sport**

GENERAL USE: Fly Repellent

EPA REGISTRATION: EPA Reg. No. 53883-150-1543

PRODUCT DESCRIPTION: off white liquid, characteristic insecticide odor

MANUFACTURER'S NAME:  
W. F. Young, IncDATE PREPARED: September 30, 2011  
SUPERSEDES

Page 1 of 6

ADDRESS (NUMBER, STREET, P.O. BOX)  
302 Benton DriveTELEPHONE NUMBER FOR INFORMATION:  
(413) 526-9999CITY, STATE AND ZIP CODE:  
East Longmeadow, MA 01028EMERGENCY TELEPHONE NUMBER:  
(413) 526-9999

## SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	% (by weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES Full Test Section 16
Cypermethrin	1.0	52317-07-8	257-842-9	Xn, N	R20/22, 37, 50/53

## SECTION 3 – HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Health: Harmful if swallowed. Cypermethrin is a neurotoxin. Exposure may produce symptoms of neurotoxicity.

Environmental: Cypermethrin is considered acutely toxic to aquatic life. Cypermethrin has low avian toxicity.

Physical: None

Unclassified: None

GHS Classification:

- Environmental toxicity: Acute Aquatic, Category 1 (severe)
- Carcinogenicity: Category 2 (suspected)
- Eye irritation: Category 2B (mild)

### POTENTIAL HEALTH EFFECTS

**INHALATION:** May cause nasal or respiratory irritation.**SKIN:** Slightly irritating. Cypermethrin may cause tingling sensation known as parasthesia. Symptoms for Cypermethrin are reversible within 48 hours.**EYES:** Slightly irritating. May cause redness and tearing. Symptoms for Cypermethrin are reversible within 72 hours.**INGESTION:** Cypermethrin is a neurotoxin. Ingestion may induce neurotoxic symptoms including diarrhea, salivation, tremors, convulsions. Hyperactivity and hypersensitivity to touch or sound

### CARCINOGENICITY:

EPA? Group C (Possible)

IARC MONOGRAPHS? Group 3 (not carcinogenic)

GHS? Category 2 (suspected)

## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: **Ultrashield<sup>®</sup> Sport**  
September 30, 2011

Page 2 of 6

### SECTION 4 – FIRST AID MEASURES

**INHALATION:** Move person to fresh air. If person is not breathing, give artificial respiration. Call a poison control center for further treatment advice.

**SKIN:** Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

**EYES:** Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; seek medical attention immediately.

**INGESTION:** If swallowed, call a physician or Poison Control Center immediately. **DO NOT** induce vomiting unless directed to do so by medical personnel; never give anything by mouth to an unconscious person; seek medical attention.

### SECTION 5 – FIRE FIGHTING MEASURES

**GENERAL HAZARDS:**

Will not flash

**EXTINGUISHING MEDIA:**

Carbon dioxide, water, water fog, dry chemical, chemical foam

**FIRE FIGHTING PROCEDURES:**

Self-contained respiratory equipment; Keep containers cool with water spray to prevent container rupture due to steam buildup.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Pesticide fires have potential to emit hazardous decomposition products.

**HAZARDOUS COMBUSTION PRODUCTS:**

Smoke, fumes or vapors, oxides of carbon

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Evacuate and ventilate area; confine and absorb into adsorbent; place material into approved containers for disposal; refer to SARA Title III, Section 313 40 CFR 372 for details concerning reporting requirements. Do not discharge into lakes, ponds, streams or public waters.

**Emergency: Chemtrec: 1-800-424-9300**

### SECTION 7 – HANDLING AND STORAGE

**STORAGE CONDITIONS:** Store upright at room temperature. Avoid exposure to extreme temperatures. Do not store near heat or open flame. Store away from foodstuffs, feed and children

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Avoid derman contact. Take precautions to avoid damaging containers.

**CONSIDERATIONS:** Avoid cross contamination. Always wash hands thoroughly after handling pesticides and before eating, drinking, or smoking. Clean water should be available to rinse eyes and skin in case of chemical exposure.

**MATERIAL SAFETY DATA SHEET**

PRODUCT NAME: **Ultrashield<sup>®</sup> Sport**  
September 30, 2011

Page 3 of 6

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

HAZARDOUS COMPONENTS	NIOSH				ACGIH			
	TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>	TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>
Cypermethrin		45 mg/m <sup>3</sup>				45 mg/m <sup>3</sup>		

**PERSONAL PROTECTION:**

**RESPIRATORY PROTECTION:** None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds standard workplace limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134, ANSI Z88.2, or European Standard EN 149 for complete regulations.

**PROTECTIVE GLOVES:** Neoprene or rubber gloves with cuffs.

**EYE PROTECTION:** Protective eyeglasses or chemical safety glasses recommended for general protection. Refer to 29 CFR 1910.133, ANSI Z87.1, or European Standard EN 166.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Coveralls, apron, or other equipment should be worn to minimize skin contact.

**WORK/HYGIENIC PRACTICES:** Use only in well-ventilated areas.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOR Off white liquid, characteristic insecticide odor	VAPOR PRESSURE Not determined
SPECIFIC GRAVITY 7.765 lbs/gal 0.976 g/ml	EVAPORATION RATE (WATER =1) Not determined
SOLUBILITY IN WATER Miscible	pH 4.9
BOILING POINT 212°F (100°C)	VAPOR DENSITY (AIR = 1) >1
FLASH POINT Not flammable)	FLAMMABLE LIMITS LEL: Not applicable UEL: Not applicable
VISCOSITY 102.4 cPs	AUTOIGNITION TEMPERATURE Not determined

**SECTION 10- STABILITY AND REACTIVITY**

STABILITY UNSTABLE: STABLE: X	CONDITIONS TO AVOID: Extreme temperatures
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INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: May release irritating and toxic gases due to thermal decomposition. Products of combustion include cyanide, CO, and CO<sub>2</sub>.

HAZARDOUS POLYMERIZATION MAY OCCUR:  
WILL NOT OCCUR: X

**MATERIAL SAFETY DATA SHEET**PRODUCT NAME: **Ultrashield<sup>®</sup> Sport**  
September 30, 2011

Page 4 of 6

**SECTION 11 – TOXICOLOGICAL INFORMATION**

<b>Hazardous Ingredients</b>	<b>CAS #</b>	<b>EINECS #</b>	<b>LD50 of Ingredient Species and Route</b>	<b>LC50 of Ingredient Species</b>
Cypermethrin <sup>(a)</sup>	52317-07-8	257-842-9	661 mg/kg Female rat	0.53-2.06 mg/L Inhalation - rats
(a) see section 15				

**SECTION 12 – ECOLOGICAL INFORMATION**

This product is extremely toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in areas near application site. Do not contaminate water when disposing of equipment washwaters. Cypermethrin in this mixture are classified as a Severe Marine Pollutant.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Dispose of in accordance with local, state, and federal regulations. This product may produce hazardous vapors in a closed disposal container creating a dangerous environment. Refer to 40 CFR 260-299 for complete waste disposal regulations. Consult your local, state, or federal agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.

**SECTION 14 – TRANSPORT INFORMATION**

Ground: Non-hazardous for Transport – Not regulated

Ocean (IMDG): UN3082, Environmentally hazardous substance, liquid, n.o.s. (1% cypermethrin), Class 9, PG III, marine pollutant

Air (IATA): UN3082, Environmentally hazardous substance, liquid, n.o.s. (1% cypermethrin), Class 9, PG III

**NOTE:** Transportation information provided is for reference only. User is urged to consult 49 CFR 100-177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

**MATERIAL SAFETY DATA SHEET**

PRODUCT NAME: **Ultrashield<sup>®</sup> Sport**  
September 30, 2011

**SECTION 15 – REGULATORY INFORMATION**

**TSCA (Toxic Substance Control Act)**

All components of this product are listed on the U.S. Toxic Substance Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume or Polymer Exemption has been granted in accordance with 40 CFR 723.50.

SARA TITLE III (Superfund Amendments and Reauthorization Act)

**311/312 Hazard Categories:**

Acute health hazard, delayed health hazard

**313 Reportable Ingredients:**

**(a) Indicates a toxic chemical subject to annual reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.**

**CERCLA (Comprehensive Response Compensation and Liability Act)**

None

**California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986**

There are no reportable chemicals present known to the state of California to cause cancer or reproductive toxicity.

**CPR (Canadian Controlled Products Regulations)**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS classification: D2B

**IDL (Canadian Ingredient Disclosure List)**

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

**DSL/NDSL (Canadian Domestic Substances List/Non-Domestic Substance List)**

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substance Notification (NSN) regulations. Only ingredients classified as “hazardous” are listed in Section 2 unless otherwise indicated.

**EINECS (European Inventory of Existing Commercial Chemical Substances)**

Components of this product identified by CAS numbers are on the European inventory of Existing Commercial Chemical Substances.

WGK Water Quality Index: 3

VbK Index: A III

**SECTION 15 – REGULATORY INFORMATION, continued**

**RISK PHRASES:**

R22 Harmful if swallowed  
R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

**SYMBOL(S) REQUIRED FOR LABEL**

Harmful      Environmental  
                    Hazard



**SAFETY PHRASES:**

S2 Keep out of the reach of children  
S24/25 Avoid contact with skin and eyes

**MATERIAL SAFETY DATA SHEET**

PRODUCT NAME: **Ultrashield<sup>®</sup> Sport**  
September 30, 2011

**SECTION 16 – OTHER INFORMATION**

**Notes & full R-Phrase text**

R11 Highly flammable  
R20/22 Harmful by inhalation and if swallowed  
R24 Toxic in contact with skin

R36 Irritating to eyes  
R43 May cause sensitization by skin contact  
R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.  
R67 Vapors may cause drowsiness and dizziness

**HMIS HAZARD RATINGS**

**HEALTH**

**1**

**\*=Chronic Health Hazard 2=Moderate**

**FLAMMABILITY**

**0**

**0=Insignificant 3=High**

**PHYSICAL HAZARD**

**0**

**1=Slight 4=Extreme**

**PERSONAL PROTECTIVE EQUIPMENT**

**C Safety glasses, Gloves, Apron**

**REVISION SUMMARY:**

**MSDS Prepared by:**

**Corporate QA  
W. F. Young, Inc  
302 Benton Drive  
East Longmeadow, MA 01028**

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 need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.