



MATERIAL
SAFETY DATA
SHEET

Olin MSDS No.: 00076.0001
Revision No.: 4

Revision Date: 1/1/11
Supercedes: 1/1/10

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PLASTIC SHOTSHELL WADS
Chemical Name: Mixture
Synonyms: 12 GA. 0.520" (35.6 grains)
20 GA. 0.520" (24.3 grains)
12 GA. 0.440" (28.9 grains)
20 GA. 0.375"; estimated (19.8 grains)
Chemical Family: Thermoplastic
Formula: Not Applicable/Mixture
Product Use/ Description: Resin-soltex, F1009

COMPANY ADDRESS MSDS Control Group
Olin Corporation – Winchester
Division, Inc.
600 Powder Mill Road
East Alton, IL 62024
www.winchester.com

**TECHNICAL
INFORMATION :**
618-258-3507

**EMERGENCY TELEPHONE
NUMBER:**
618-258-2111

2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS Number	Components	% By Weight
9002-88-4	Polyethylene	92-100%
24937-78-8	Ethylene vinyl acetate copolymer	0-8%
123-28-4	Dilauryl 3,3'-thiodipropionate	0-0.5%

OSHA Regulatory Status: This product is not considered hazardous under 29 CFR 1910.1200.

3. HAZARDS IDENTIFICATION

WARNING!

NOT CONSIDERED HAZARDOUS UNDER NORMAL CONDITIONS OF USE. CAN RELEASE IRRITATING AND/OR TOXIC FUMES AND VAPORS IF INVOLVED IN FIRE.

HAZARD RATINGS

Hazardous Materials Identification System (HMIS® III)

National Fire Protection Association (NFPA)

Degree of hazard (0 = low, 4 = extreme)

Health: 0
Personal Protection: A
Not rated.

Flammability: 1

Physical Hazards: 0

HUMAN THRESHOLD RESPONSE DATA

Odor Threshold:

Irritation Threshold:

Immediately Dangerous to Life or Health (IDLH) Value(s):

None Established.

None Established.

None Established.

POTENTIAL HEALTH EFFECTS

ACUTE EFFECTS

Eye: Not an eye irritant. May cause mechanical irritation only.
 Skin: Not a skin irritant. Contact with molten material may cause thermal burns.
 Inhalation: Not a likely route of exposure under normal conditions of use.
 Ingestion: Not a likely route of exposure. Not considered hazardous.

CHRONIC EFFECTS: None known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

POTENTIAL ENVIRONMENTAL EFFECTS: None known.

4. FIRST AID MEASURES

EYE CONTACT: Flush eyes with plenty of water. Get medical attention if irritation develops or persists.
 SKIN CONTACT: If in contact with solid material, wash with soap and water. If in contact with molten material, submerge injured area in cold water. Do not attempt to remove material adhering to skin. Get medical attention if irritation develops or persists.
 INHALATION: Not a likely route of exposure under normal conditions of use. If exposed to vapors during processing at elevated temperatures, remove to fresh air. Get medical attention if irritation develops or persists.
 INGESTION: Not a likely route of exposure under normal conditions of use.

5. FIRE FIGHTING MEASURES

<i>PROPERTY</i>	<i>VALUE</i>	<i>PROPERTY</i>	<i>VALUE</i>
Explosive	No	Flammable	No
Combustible	No	Pyrophoric	No
Flash Point (Open cup)	>445°F (>230°C) (polyethylene)	Burning Rate of Material:	Not Determined
Lower Explosive Limit:	Not Applicable	Autoignition Temp.:	Not Determined
Upper Explosive Limit:	Not Applicable	Flammability Classification: (defined by 29 CFR 1910.1200)	Combustible solid

UNUSUAL FIRE AND EXPLOSION HAZARDS: During a fire, irritating and toxic fumes may be generated by thermal decomposition or combustion. As in any fire, wear positive-pressure self-contained breathing apparatus, NIOSH/MSHA approved or equivalent, and full protective clothing.
 EXTINGUISHING MEDIA: Use water fog, dry chemical, carbon dioxide or foam as appropriate for materials in surrounding fire. Avoid using direct streams of water on molten burning material as it may spread the fire.
 SPECIAL FIREFIGHTING PROCEDURES: Melted material can be slippery, watch footing on floors and stairs in proximity to fire.

6. ACCIDENTAL RELEASE MEASURES

FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC AT 800-424-9300.

Always wear recommended personal protective equipment. Keep away from heat or flame. Collect material and place in a container for reuse or disposal. If material is molten, allow to cool. Use caution, as material may still be hot after solidification.

7. HANDLING AND STORAGE

HANDLING:	Follow standard personal hygiene and housekeeping practices.
STORAGE:	Keep in a tightly closed container; store in a cool, dry, ventilated area. Do not store near strong oxidizing agents and amines.
<i>Shelf Life Limitations:</i>	None known.
<i>Incompatible Materials for Storage or Transport:</i>	Strong oxidizing agents and amines.
OTHER PRECAUTIONS:	None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS No:	CHEMICAL NAME	ACGIH TLV	OSHA PEL
9002-88-4	Polyethylene	None Established	None Established
24937-78-8	Ethylene vinyl acetate copolymer	None Established	None Established
123-28-4	Dilauryl 3,3'-thiodipropionate	None Established	None Established

ENGINEERING CONTROLS:	General room ventilation is adequate for storage and ordinary handling.
EYE / FACE PROTECTION:	Wear safety glasses or goggles under normal conditions.
SKIN PROTECTION:	Not required under normal conditions of use.
RESPIRATORY PROTECTION:	Respiratory protection not normally needed for properly ventilated areas.
GENERAL HYGIENE:	Do not eat, drink, or smoke while using this product. Wash hands thoroughly after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	VALUE	PROPERTY	VALUE
<i>Appearance:</i>	Cylindrical solid	<i>Vapor Density (air = 1):</i>	Not applicable
<i>Odor:</i>	Minimal	<i>Boiling Point (°F):</i>	Not applicable
<i>Molecular Weight:</i>	Not applicable - Mixture	<i>Melting point:</i>	200-250°F (92 -122°C) for polyethylene
<i>Physical State:</i>	Solid	<i>Specific gravity (g/cc):</i>	0.95
<i>pH:</i>	Not applicable	<i>Bulk Density:</i>	Not available
<i>Vapor Pressure (mm Hg):</i>	Not applicable	<i>Viscosity (cps):</i>	Not applicable
<i>Vapor Density:</i>	Not applicable	<i>Decomposition Temperature:</i>	Not available
<i>Solubility in Water (20 °C):</i>	Insoluble	<i>Evaporation Rate:</i>	Not applicable
<i>Volatiles, Percent by volume:</i>	Not available	<i>Octanol/water partition coefficient:</i>	Not available

10. STABILITY AND REACTIVITY

STABILITY:	Stable under recommended handling and storage conditions.
MATERIALS TO AVOID:	Strong oxidizers and amines
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide and combustion byproducts (oxidized and non-oxidized hydrocarbons)
HAZARDOUS POLYMERIZATION:	Will not occur.

11. TOXICOLOGICAL INFORMATION

POTENTIAL EXPOSURE ROUTES: Skin and Eye Contact

ACUTE ANIMAL TOXICITY DATA:

For Product:		For Components:		
		Polyethylene	Ethylene vinyl acetate copolymer	Dilauryl 3,3'- thiodipropionate
Oral LD ₅₀	No Data	> 2,000 mg/kg (rat)	> 2,500 mg/kg (rat)	> 2,500 mg/kg (rat)
Dermal LD ₅₀	No Data	No Data	No Data	No Data
Inhalation LC ₅₀	No Data	No Data	No Data	No Data
Irritation	No Data	No Data	No Data	Mild eye irritant
Sensitization	No Data	No Data	No Data	Not Sensitizing in Guinea Pigs

SUBCHRONIC/ CHRONIC TOXICITY: No information available.
CARCINOGENICITY: No components are listed on NTP, OSHA, and IARC lists.
MUTAGENICITY: Dilauryl 3,3'-thiodipropionate was not mutagenic (Ames test)
REPRODUCTIVE, TERATOGENICITY, OR In a screening test Dilauryl 3,3'-thiodipropionate was administered to pregnant
DEVELOPMENTAL EFFECTS: mice, hamsters and rabbits and had no adverse effects on maternal survival,
 embryo implantation, or fetal survival.
NEUROLOGICAL EFFECTS: No information available.
INTERACTIONS WITH OTHER CHEMICALS No information available.
WHICH ENHANCE TOXICITY:

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No information available.
MOBILITY: No Information.
PERSISTANCE/DEGRADABILITY: No Information. Material is considered inert and not expected to be biodegradable.
BIOACCUMULATION: No Information.

13. DISPOSAL CONSIDERATIONS

This product does not meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of a hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

Dispose of in accordance in compliance with Federal, state and local government regulations.

14. TRANSPORT INFORMATION

This product is not regulated as a DOT hazardous material.

15. REGULATORY INFORMATION

US FEDERAL

TSCA	All components of this product are listed on the Toxic Substance Control Act inventory.			
CERCLA:	No components are listed.			
SARA 313:	No components are listed.			
SARA 311/312 Hazard Class:	<u>Health:</u> Acute – No Chronic - No	<u>Fire:</u> No	<u>Reactivity:</u> No	<u>Release of Pressure:</u> No
SARA 302 EHS List:	None of the components of this product are listed.			

RQ = Reportable Quantity

16. OTHER INFORMATION

REVISIONS: No. 2, March 30, 2009; 7/1/09 – changed emergency contract number and mailing address; 1/1/11 - review
PREPARED BY: Olin Corporation
OTHER: Additional information available from: www.winchester.com

NOTICE: THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. OLIN BELIEVES THIS INFORMATION TO BE RELIABLE AND CURRENT AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS.