

SAFETY DATA SHEET

1. Product and Company Identification

709 Pest Scare

Identified Use: Scare birds and animals **Use Advised Against:** Do not use indoors or inside a boat or vehicle
Manufacturers Information Orion Safety Products

3157 North 500 West
 Peru, IN 46970
 US 1-800-851-5260
 Intl (11) 1-765-472-4375

EMERGENCY

CHEMTREC
 1-800-424-9300

2. Hazards Identification

GHS Classifications

Acute Toxicity - Oral	not classified <i>(Based on available data, the classification criteria are not met)</i>	7 % of mixture consists of ingredients of unknown acute oral toxicity
Skin Irritation	Category 2	H315
Eye Irritation	Category 2A	H319
Carcinogenicity	Category 2	H351
STOT - Single Exposure	Category 3	H335
STOT - Chronic Exposure	Category 2	H371
Aquatic Environment - Acute	Category 1	H400
Aquatic Environment - Chronic	Category 1	H410

GHS Label Elements

Pictograms



Signal Word **Danger**

Hazard Statements

H204 Fire or projection hazard
 H315/319 Causes skin and serious eye irritation
 H351 Suspected of causing cancer
 H335 May cause respiratory irritation

Precautionary Statements

P103 Keep out of reach of children	P301/315 IF SWALLOWED: Get immediate medical advice /attention.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking	P302/352 IF ON SKIN: Wash with plenty of soap and water.
P261 Avoid breathing dust/fume	P304/340/342 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P264 Wash hands thoroughly after handling	P305/338/351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P270 Do not eat, drink or smoke when using this product	P333/313 If skin irritation or rash occurs, get medical advice/attention.
P271 Use only outdoors or in a well-ventilated area.	P370 In case of fire: use water deluge
P273 Avoid release to the environment.	
P280 Wear protective eye protection	

Hazards Not Otherwise Classified (HNOC): none

3. Composition / Information on Ingredients

Component	CAS #	EINCS #	%age
CA filled Polypropylene	N/A	N/A	<75%
Iron	1309-37-1	231-096-4	0-25%
Copper	7440-50-8	231-159-6	0.3-17%
Zinc	7440-66-6	231-175-3	<8%
Barium	7440-39-3	231-149-1	<8%
Lead Styphnate	63918-97-8	none	<7%
Antimony	7440-36-0	231-146-5	0.1-2%
Tetrazene	109-27-3	203-659-4	<1%

Note: Due to Confidential Business Information, "Trade Secrets", the exact percentage of each ingredient has not been disclosed. CBI information will be shared with appropriate authorities if circumstances warrant.

4. First Aid Measures

Description of first aid measures

Inhalation	Immediately remove from exposure area to fresh air. Administer artificial respiration, if necessary. If breathing continues to be difficult get medical attention immediately.
Skin	Wash affected area thoroughly with soap and water. Remove contaminated clothing. Wash clothing thoroughly prior to reuse. Discard any contaminated leather items (i.e. shoes, etc.).
Eyes	If wearing contacts, immediately remove contact lenses. Hold eyelids apart and flush eyes thoroughly with water for at least 15 minutes. Obtain medical attention immediately.



Ingestion Get medical aid immediately.

Most important symptoms and effects both acute and delayed

Dust and fumes can irritate the eyes causing redness and discharge. Inhalation of dust or fumes may cause irritation to nose, throat, upper respiratory tract and lungs. Irritation may lead to bronchitis, headache, lowering of blood pressure and weakness. Ingestion may cause severe headache, nausea, vomiting, abdominal pain, fatigue, diarrhea, trembling, ringing in ear and salivation
No data available

Indication of any immediate medical attention and special treatment needed

5. Firefighting Measures		
Extinguishing Media	Flood fire with water to fight fire and cool components. If no water is available, use carbon dioxide, dry chemical or earth.	Unsuitable Extinguishing Media None noted
Protective Equipment and Precautions for Firefighters	Product may "pop" if mishandled. Full fire fighter personal protection gear, including face shield and SCBA should be utilized.	
Specific Hazards Arising from the Chemical	Only use outdoors. Will ignite when exposed to flame and high temperatures. Be cautious of low energy fragments. Flaming projectiles may be ejected during a fire. Trace amounts of lead vapor may be produced in a fire situation.	
Further information	No data available	

6. Accidental Release Measures	
Personal Precautions / Protective Equipment / Emergency Procedures	
Remove from all sources of ignition. Spills should be handled carefully. Do not subject to mechanical shock. Use non sparking equipment. Carefully pick up and put in original ship containers. If disposal is required go to section 13 "Disposal Considerations".	
Environmental Precautions	
Contents are sealed and unlikely to affect the environment. However if powders do escape prevent dispersion of contents on soil and in water. Prevent contents from spreading or entering into drains, ditches, groundwater or rivers by using appropriate barriers.	
Methods for Containment and Clean-up	
In the unlikely event of a powder spill use caution when cleaning up spilled product contents. Remove heat, flames, sparks and other sources of ignition. Use non-sparking tools and equipment. Pick up spill for recovery or disposal and place in an approved container. Wash away remainder with plenty of water. Collect wash water for approved disposal.	

7. Handling and Storage	
Precautions for Safe Handling	Use product only in designated launcher – do not attempt to use in 12 gauge shotgun. Point launcher away from body, other people, animals or combustible products when firing. Wear appropriate eye protection during use. Turn face from launcher when firing. Follow instructions on package. Avoid contact with clothing and other combustible materials. Use outdoors only! Do not ignite or launch product inside a vehicle or building. Avoid ingestion of smoke and inhalation of contents. Wash thoroughly after handling. Avoid contact with heat sparks, and flame. Do not disassemble signal.
Conditions for Safe Storage, Including Any Incompatibilities	Store in original containers in a cool, dry, well-ventilated area away from all sources of ignition. Do not subject to mechanical shock. Keep out of reach of children. This product <i>must not be stored</i> with acids, strong oxidizers or caustics.

8. Exposure Controls / Personal Protection			
Control parameters			
	Exposure Limits	OSHA PEL	ACGIH TLV
	CA filled Polypropylene	Not Established	Not Established
	Iron	TWA 10 mg/m ³	Not Established
	Copper	0.1 mg/m ³ (fume) 1 mg/m ³ (dusts and mists)	0.2 mg/m ³ (fume), 1 mg/m ³ (dusts and mists)
	Zinc	TWA (fume) 0.1 mg/m ³ TWA (dust, mist) 1.0 mg/m ³	Not Established
	Barium	TWA 0.5 mg/m ³	0.500000 mg/m ³
	Lead Styphnate	Not Established	Not Established
	Antimony	TWA 0.5 mg/m ³	TWA: 0.5 mg/m ³
	Tetrazene	Not Established	Not Established
Exposure controls			
	Engineering Controls	Use product outdoors only! Local exhaust ventilation is recommended if significant dusting occurs. Otherwise, use general exhaust ventilation.	
	Personal Protective Equipment		
	Eye / Face Protection	Turn face from launcher when firing. Wear safety glasses or goggles during use and when cleaning up spilled contents.	
	Skin Protection	None under normal conditions when using product unless prolonged handling is anticipated. When cleaning up spilled contents, wear impervious protective clothing, including gloves, boots, and a lab coat, apron or coveralls, as appropriate. Wash hands and face before eating, drinking or using tobacco products.	
	Respiratory Protection	None under normal conditions when using product. Use of a NIOSH/MSHA-approved respirator is recommended when concentrations to fumes and/or dust exceed the PEL or TLV.	
	General Hygiene	Use product outdoors away from combustible products. Keep product away from sources of accidental	

ignition.

9. Physical and Chemical Properties

Appearance (color, physical form, shape):	Solid		
pH:	Not available	Melting Point:	100°C-400°C
Boiling Point / Range:	Not applicable	Freezing Point:	Not applicable
Vapor Pressure:	Not applicable	Specific Gravity:	Not applicable
Odor:	None	Odor Threshold:	No data available
Flammability:	No data available	Flammability Limits:	No data available
Partition Coefficient:	No data available	Viscosity:	No data available
Auto Ignition Temperature:	250°F	Decomposition Temperature:	No data available
Solubility:	Not available	Evaporation Rate:	Not applicable
Vapor Density:	Not applicable	Flash Point:	Not available
Relative Density:	No data available		

10. Stability and Reactivity

Chemical Stability	Stable	Reactivity:	No information available	Possibility of Hazardous Reactions	Hazardous polymerization will not occur
Conditions to Avoid	Flames, sparks, percussion, shock, static, high temperatures (266°F or 130°C, or above).	Incompatible Materials	Incompatible with acids, strong oxidizers and caustics.	Hazardous Decomposition Products	Not available

11. Toxicology Information

Ingredient acute toxicity information

Toxicology	Oral LD50	skin LD50	LC50
CA filled Polypropylene	Not available	Not available	Not available
Iron	Rat: 30 g/kg	Not available	Not available
Copper	Rat: 5800 mg/kg	Not available	Not available
Zinc	Rat: 3000 mg/kg	Not available	Not available
Barium	Rat: 132 mg/kg	Not available	Not available
Lead Styphnate	No data	Not available	Not available
Antimony	Rat: 7 g/kg	Not available	Not available
Tetrazene	Rat: 1780 mg/kg	Not available	Not available

Product toxicological information

Acute Toxicity	Not classified – <i>Acute Toxicity Estimate yields oral LD₅₀ over 5000 mg/kg bw</i> <i>7% of mixture consists of ingredients of unknown acute oral toxicity</i>
Skin Irritation / Corrosion	Category 2 – <i>over 10% of ingredients classified as a Category 2</i>
Serious Eye Damage / Irritation	Category 2a – <i>over 10% of ingredients classified as a Category 2a</i>
Respiratory / Skin Sensitization	No information found
Germ Cell Mutagen	No information found
Carcinogen	Category 2- <i>Lead is classified as a category 2 carcinogen</i>
Reproductive Toxicity	No information found
STOT – single exposure	Category 3 – <i>respiratory over 10% of ingredients classified as a Category 3 respiratory STOT hazard</i>
STOT – repeated exposure	Category 2- <i>over 10% of ingredients classified as a Category 2 STOT hazard for the Liver, Kidney, Cardiovascular system.</i>
Aspiration Hazard	No information found
Likely routes of exposure	Skin, ingestion, inhalation
Symptoms related to the physical, chemical and toxicological characteristics	Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Ingestion of contents may cause gastrointestinal irritation with nausea, vomiting and diarrhea. Inhalation will cause irritation to the lungs and mucus membrane.
Delayed and immediate effects and chronic effects from short and long term exposure	No information found
Interactive effects	No information found

12. Ecological Information

Ingredient toxicity / persistence / degradability / bioaccumulation / mobility in soil and water

Aquatic Toxicity	<u>Lead</u> , (LC 50) to Bluegill: 2-5 mg/l <u>Barium</u> to Stickleback: 400 mg/l <u>Barium Nitrate</u> to Stickleback: 760 mg/l <u>Antimony</u> : <i>Cyprinodont variegatus</i> : LC50 = 6.2-8.3 mg/L/96h
Persistence / Degradability	No information found
Bioaccumulation / Accumulation	No information found
Mobility in Environmental Media	<u>Antimony</u> : <i>Is not likely mobile in the environment due its low water solubility</i>
Other adverse effects	When product is used and disposed of properly, there is no known environmental impact.

13. Disposal Considerations (for spills and leakage)

This product is considered a characteristic hazardous waste per 40 CFR 261.24 *for disposal purposes only*. Dispose of as required by local, state and federal laws and regulations. EPA Hazardous Waste Code: D008 (lead)



14. Transportation Information

	ID Number	Shipping Name	hazard class	packing group	EX Number
International	* UN0055	Cases, cartridge, empty with primer	1.4S	n/a	EX2015110271

Domestic *This product, under Special Provision 50, is "not regulated for domestic transportation".

Marine Pollutant: No

Special Provision: 49CFR (172.102(c)(1) 50)

15. Regulatory Information

US Regulations	TSCA	CERCLA	CWA	CAA	SARA 313	SARA 302	Acute	Chronic	Fire	Reactivity	Pressure
CA filled Polypropylene	Yes	No	No	No	No	No	No	No	No	No	No
Iron	Yes	No	No	No	No	No	No	No	Yes	No	No
Copper	Yes	5000 lbs	Yes	No	Yes	No	Yes	No	Yes	No	No
Zinc	Yes	1000 lbs	Yes	No	Yes	No	Yes	No	Yes	Yes	No
Barium	Yes	No	No	No	Yes	No	Yes	No	Yes	Yes	No
Lead Styphnate	Yes	Lead 10 lbs	No	No	Yes	No	Not stated				
Antimony	yes	5000 lbs	Yes	Yes	Yes	No	Yes	Yes	No	No	No
Tetrazene	Not stated	No	Not stated	Not stated	No	Not stated					

US States	Prop 65	NJ	PA	Canada	WHMIS	DSL	Europe	wgk
CA filled Polypropylene	No	No	No		No information found	Yes		Not stated
Iron	No	Yes	Yes		B4 flammable solid	Yes		nwg
Copper	No	Yes	Yes		B4 Flammable solid D2B Toxic materials	Yes		nwg
Zinc	No	Yes	Yes		B6 Reactive flammable material	Yes		nwg
Barium	No	Yes	Yes		B4 Flammable solid B6 Reactive flammable material	Yes		Not stated
Lead Styphnate	Yes	No	Yes		D2B Toxic materials No information found	Yes		Not stated
Antimony	No	Yes	Yes		D1A Very toxic materials E Corrosive material D2B Toxic materials	Yes		Not stated
Tetrazene	No	Not stated	Not stated		No information found	Not stated		Not stated

16. Other Information

Revision Information: April 2015

NFPA Rating

Not established

HMIS Rating

Flammability 0
Health 2
Physical Hazard 1

Key / Legend:

HMIS: hazardous material identification system
NFPA: national fire protection association
CAS: Chemical Abstracts Service number
EINECS: European inventory of existing chemical substances
OSHA PEL: occupational safety and health administration permissible exposure limit
NIOSH TLV: national institute of occupational safety and health Threshold Limit Value
NTP: National Toxicology Program
IARC: International Agency for Research on Cancer

TSCA: toxic substance control act - US
CERCLA: comprehensive environmental response, compensation and liability act - US
CWA: clean water act - US
CAA: clean air act - US
SARA: superfund amendments and reauthorization act - US
PROP 65: California's Proposition 65 list
WHMIS: workplace hazardous materials information system - Canada
DSL: Domestic Substances List - Canada
WGK: water hazard classes - Germany

Legal Statement

This information is accurate to the best knowledge Orion Safety Products. Orion Safety Products makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability or fitness for a particular purpose, with respect to the information set forth herein or the product to which the information refers. Accordingly, Orion Safety Products will not be responsible for damages resulting from use of or reliance upon this information. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.