



Security Devices International Inc.

Malodorant S-1080 MO

Safety Data Sheet Version C-1

Last Updated: August 31, 2017



WARNING

All explosives are dangerous and must be carefully handled and used following approved safety procedures either by or under the direction of competent, experienced persons in accordance with all applicable federal, state, and local laws, regulations, and ordinances. If, after carefully reading the information included in this Safety Data Sheet, you have questions or doubts as to how to use the device, do not use it before consulting your supervisor, or the manufacturer. If your supervisor has any questions or doubts, they should consult the manufacturer before use. See "SECTION XVI – Other Information" for further information below.

SECTION I – Identification

Product Name: Malodorant Tactical Liquid (S-1080 MO) 40mm Less-Lethal Projectile

Product Use: Repulsive odor liquid incapacitant projectile fill

Manufacturer: Security Devices International Inc.

Address: 9325 Puckett Road, Perry, Florida 32348 USA

Emergency Telephone Number: (978) 868-5011

SECTION II – Hazard Identification

At the pH level of sodium bicarbonate, the yeasts synthesize some amino acids, causing heavy odor.

Skin: Might cause irritation.

Eyes: Redness, pain.

Ingestion: Abdominal pain.

Inhalation: No vapors at normal use.

SECTION III – Composition/Information on Ingredients

Payload: Water, Yeasts, Sodium Bicarbonate (Baking Soda).

Total Amount: 7 ml, liquid

	CAS Number	Components	% By Weight	INECS/ ELINCS #	EU Classification	
					Symbol	R-Phrase
	7440-50-8	Copper	40-75	231-159-6	None	None
	7440-66-6	Zinc	20-35	231-175-3	F (as dust of powder)	R15-17
	9004-70-0	Nitrocellulose	2-17	Not listed	E*	R 2
Primer:	55-63-0	Nitroglycerin	1-3	200-240-8	E, T+, N	R 3-26/27/28-33-51-53
	84-74-2	Dibutyl phthalate	0.2-3	201-55-74	None	None
	15245-44-0	Normal Lead styphnate	0.1-1	239-290-0	E, T, N	R61-3-20/22-33-50/53-62

*This material is not listed in Annex 1 of Directive 88/379/EEC. SDI has classified the material according to the conventional method based upon information from similar materials.

OSHA REGULATORY STATUS: Explosive

SECTION IV – First Aid Measures

Never give fluids or induce vomiting if patients unconscious or having convulsions.

Ingestion: If swallowed give fluids, don't induce vomiting, consult a physician who will decide on need and method for emptying the stomach or any other medical care.

Eye: Rinse with water for at least 15 min. If the pain continues, get medical consultation.

Skin: Wash off with running water or shower. Wash contaminated clothing before reuse.

Inhalation: If will effects occur, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen, call a physician or any available medical help.



SECTION V – Fire-fighting Measures

	Flash point (°C) 20:	N/A
	Self Ignition Point:	N/A
	LEL (%):	Irrelevant
Payload:	UEL (%):	Irrelevant
	Fire Extinguishing:	The product itself is a good fire extinguisher.
	Hazardous Decomposition Products:	When exposed to open fire may emit carbon dioxide and some carbon monoxide (at air deficiency).
Primer:	Smokeless Powder Charge:	4.9 grains / 317.5147 mg
	OSHA Regulatory Status:	Explosive

SECTION VI – Accidental Release Measures

Small spillage should be let to evaporate.

Large spillage should be collected into an adsorbent for disposal at an authorized approved landfill.

SECTION VII – Handling and Storage

Store containers well closed in a well-ventilated area.

Do not store in area exposed to sunlight.

Keep separate from acids.

SECTION VIII – Exposure Controls and Personal Protection

Ventilation	Good general ventilation should be sufficient for most conditions.
Respiratory Protection:	When airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator (if needed).
Eye Contact:	For high potential exposure chemical goggles or full face screen are recommended because eye contact with this material may cause some pains or eyes irritate. For low and moderate potential exposure use safety glasses.
Protective Clothing:	For brief contact, no precautions other than clean body covering clothing should be needed. Use cotton gloves when prolonged or frequently repeated contact could occur.

SECTION IX – Physical and Chemical Properties

Mol. Weight:	84.01
Color:	Clear
Odor:	Strong smell
Boiling Point:	101.01°C / 213.818°F
Freezing Point:	-7 °C / 19.4 °F
Vapor Pressure:	Negligible
Phase:	Solution and aquanauts
Flash Point:	Not flammable
Antifreeze Additive:	
Product Name:	MP Biomedicals Propylene Glycol
Chemical Name:	Propylene Glycol



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Water Solubility: Complete
Appearance: Clear
Boiling Point: 187°C / 369°F
Freezing Point: -68°C / -90°F

Composition:

CAS No. Description 57-55-6 propane-1, 2-diol
EC Identification Number: 200-338-0

SECTION X – Stability and Reactivity

Stable and does not decomposes up to 250°C.

Materials to Avoid: Light metals and strong oxidizing agents.

SECTION XI – Toxicology Information

The product has not been reported as toxic material.

No carcinogenic activity.

Does not affect sensitive aquatic population.

SECTION XII – Ecological Information

Sodium bicarbonate and yeast are friendly products in environment. Both do not impose a heavy burden.

SECTION XIII – Disposal Considerations

Consult federal, state, and local regulations for disposal requirements.

SECTION XIV – Transport Information

U.N. Proper Shipping Name: Cartridges for weapons, inert projectile or Cartridges, small arms
U.N. Classification Number: UN0012
U.N. Classification Code: 1.4S
Reference Number: EX2012091360
Product Designation/Part Number: Blunt Impact Projectile (BIP) 40mm (D/N: DWG-1652, Rev. D)
Hazard Class: Not a hazardous material
According to self-classifications. Indication of danger (irritating material)
Labeling: Special risks: Mild irritant
Safety advice: Do not swallow. Avoid contact with eyes.

SECTION XV – Regulatory Information

Safety Codes: R36 – Irritating to eyes.
Spillage [0], Chemical and Physical activity [0], Flammability [0]

SECTION XVI – Other Information

Last Revision: August 31, 2017
Shelf Life: Five (5) Years



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