

Material Safety Data Sheet

IODINE

SECTION 1- IDENTITY

NAME Evident Crime Scene Products		ADDRESS 739 Brooks Mill Road, Union Hall, VA 24176	
TELEPHONE 800-576-7606	FOR ADDITIONAL INFORMATION CONTACT: Technical Support		DATE PREPARED: January 1, 2010
COMMON NAME (USED ON LABEL) IODINE			CHEMICAL FAMILY: Element
CHEMICAL NAME: Iodine	FORMULA: Does not apply	TRADE NAME & SYNONYMS: Iodine, Iodent, Iodine Fuming Applicator , Iodine Fuming Kit	

SECTION 2- HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS#	TLV	PEL
IODINE	7553-56-2	1mg/M3(0.1PPM)	1mg/M3(0.1PPM)
IODINE IS HIGHLY TOXIC- USE CAUTION			
USE IN A CHEMICAL FUME HOOD			

PEL: Permissible Exposure Limit established by Occupational Safety and Health Administration
 TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists

PHYSICAL DATA

BOILING POINT: 184.4 C	SPECIFIC GRAVITY: 4.930	VAPOR PRESSURE: 0.31mm @ 25C	VAPOR DENSITY: 9
PERCENT VOLATILE (VOL) 95%+	SOLUBILITY (WATER) 90%+	REACTIVITY IN WATER: None	EVAPORATION RATE: High

APPEARANCE AND ODOR:
Solid is a deep purple crystal, Vapor is generally purple in color with a lachrymating odor

SECTION 4- FIRE AND EXPLOSION DATA

FLASH POINT: Not-combustible	AUTO IGNITION TEMPERATURE N/A	FLAMMABLE LIMITS IN AIR (% by VOLUME) LOWER: N/A UPPER:
EXTINGUISHING MEDIA: Dry Chemical		
UNUSUAL FIRE AND EXPLOSION HAZARDS: Emits toxic fumes under fire conditions		
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes or skin		

CONTINUED ON REVERSE SIDE

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Evident Crime Scene Products & Crime Scene Supply, Incorporated shall not be held liable for any damage or injury to any party, or second party, or bystander resulting from the use, handling, or from contact with the above product.

SECTION 5- HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE

Inhalation, ingestion, or absorption through skin

SIGNS & SYMPTOMS OF EXPOSURE

May cause eye, skin, or respiratory irritation, TOXIC if swallowed, Severe lachrymator, may cause burns, Extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin, inhalation may cause spasm, chemical pneumonitis and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

May cause eye, skin, or respiratory irritation, TOXIC if swallowed

CHEMICAL /COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:

None

OTHER EXPOSURE LIMITS:

Not established or completely investigated, Chronic exposure may cause malformation in the fetus

EMERGENCY & FIRST AID PROCEDURES:

EYES: Flush with cool tap water for at least 15 minutes, Hold eyelids open with clean fingers to assist in complete flushing
SKIN: Wash thoroughly with warm water, Discard contaminated clothing
RESPIRATORY: Remove to fresh air, if distress continues, administer oxygen and contact physician
INGESTION: Wash out mouth with water provided person is conscious, Contact physician and Poison Control Center

IN ALL CASES IF IRRITATION OR DISTRESS PERSISTS, CONTACT PHYSICIAN OR NEAREST POISON CONTROL CENTER

SECTION 6- REACTIVITY DATA

STABILITY:

Stable

CONDITIONS TO AVOID:

High Temperatures, Incompatible materials

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong Oxidizing agents, Magnesium, Zinc, Ammonia, Aluminium, Corrodes Steel, Mixing Iodine, Antimony, and Ammonia resulted in an explosion, A Violent reaction occurs between Iodine and Acetaldehyde

HAZARDOUS DECOMPOSITION PRODUCTS:

Nature of decomposition products is not known or fully investigated

HAZARDOUS POLYMERIZATION:

Will not occur

CONDITIONS TO AVOID (POLYMERIZATION)

Not applicable for polymerization

SECTION 7- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED:

Wear protective equipment, self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Cover with dry soda ash or dry lime, pick in a manner which minimizes dust spread, keep in closed container, and hold for Hazardous Waste Disposal. Ventilate area and wash spill site after material pickup is complete.

WASTE DISPOSAL METHOD:

Dispose of wastes in accordance with current Federal, State, and Local codes and guidelines.

SECTION 8- PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

NIOSH/MSHA Approved Vapor Respirator or self contained breathing apparatus

VENTILATION:

Use in a chemical fume hood

PROTECTIVE GLOVES:

Chemical resistant rubber gloves

EYE PROTECTION:

Suggested to use safety goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

An eye wash fountain and safety shower should be readily available where the potential for contact with the reagent exists

SECTION 9- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Store and handle according to package and MSDS directions. Store in cool, well-ventilated area. Keep away from reactive materials and away from fire hazard or source of ignition.

OTHER PRECAUTIONS:

Do not ingest, get in eyes, on skin, or on clothing. Avoid breathing dust or vapor. Wash thoroughly after handling. Use in chemical fume hood. Exercise extreme caution when using.

TRANSPORTATION

Shipping Name: Iodine Hazard Class: 8 UN# 1759 Packing Group: III Corrosive

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