

MATERIAL SAFETY DATA SHEET
SECTION I – MATERIAL IDENTIFICATION AND USE

MATERIAL NAME: DIAMOND IO SAN IODINE RINSE

HD84

MANUFACTURED FOR:
DIAMOND PRODUCTS LIMITED.
61 SHAVER STREET
BRANTFORD, ONTARIO N3T 5V6

SUPPLIERS NAME:

TELEPHONE NUMBER: 519-759-2443
Non-Office Hours, Weekends, or Holidays – (CANUTEC) Call Collect

EMERGENCY TELEPHONE NUMBER: (613) 996-6666
Non-Office Hours, Weekends, or Holidays – (CANUTEC) Call Collect

CHEMICAL NAME Not Applicable	CHEMICAL FAMILY Iodophor	CHEMICAL FORMULA Not Applicable	
MOLECULAR WEIGHT Not Applicable	TRADE NAME AND SYNONYMS Not Available	MATERIAL USE Sanitizer	WHMIS CLASS E D2B

SECTION II – HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROXIMATE CONCENTRATION %	C.A.S.N.A.	“EXPOSURE LIMITS”	LD50/LC50 SPECIFY SPECIES & ROUTE
Iodine Complex	1 – 5	11096-42-7	Not Available	LD50 1480 mg/kg (oral/rat)
Phosphoric Acid	1 - 5	7664-38-2	TLV(ACGIH) 1 mg/m ³	LD50 1530 mg/kg (oral/rat)
Hydroxyacetic Acid	1 - 5	79-14-1	Not Available	LD50 1950 mg/kg (oral/rat)
Alcohol Alkoxylate	3 – 7	68551-13-3	Not Available	Not Available

SECTION III – PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE GAS LIQUID X SOLID	ODOUR AND APPEARANCE Dark brown / characteristic odour	ODOUR THRESHOLD Not Available	SPECIFIC GRAVITY 1.05
VAPOUR PRESSURE (mm) Not Available	VAPOUR DENSITY (Air=1) Not Available	EVAPORATION RATE Not Available	BOILING POINT (°C) 102°C approx.
FREEZING POINT (°C) 4°C	SOLUBILITY IN WATER Complete	% VOLATILE (by volume) Not Applicable	pH 2.5

COEFFICIENT OF WATER/OIL DISTRIBUTION: Not Available

SECTION IV – FIRE AND EXPLOSION DATA

FLAMMABILITY IF YES, UNDER WHAT CONDITIONS
YES NO X

MEANS OF EXTINGUISHMENT: As for surrounding fire.

SPECIAL PROCEDURES: Wear self- contained breathing apparatus and protective clothing

FLASHPOINT (°C) AND METHOD: None **AUTO IGNITION TEMPERATURE (°C):** Not Applicable

UPPER EXPLOSION LIMIT (% BY VOLUME): Not Applicable

LOWER EXPLOSION LIMIT (% BY VOLUME): Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and products of incomplete combustion

EXPLOSION DATA SENSITIVITY TO MECHANICAL IMPACT: Not Applicable

RATE OF BURNING Not Applicable	EXPLOSIVE POWER Not Applicable	SENSITIVITY TO STATIC DISCHARGE Not Applicable
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SECTION V – REACTIVITY DATA

CHEMICAL STABILITY IF NO, UNDER WHAT CONDITIONS?
YES X NO Stable under normal conditions of use.

INCOMPATIBILITY TO OTHER SUBSTANCES IF SO, WHICH ONES?
YES X NO Alkalis, strong oxidizing agents.

REACTIVITY AND UNDER WHAT CONDITIONS: Contact with alkali will generate heat.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes of iodine and iodine compounds emitted when heated to decomposition.

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SECTION VI – TOXICOLOGICAL PROPERTIES OF PRODUCT

ROUTE OF ENTRY

SKIN CONTACT:	X	SKIN ABSORPTION:		EYE CONTACT:	X
INHALATION ACUTE:	X	INHALATION CHRONIC:		INGESTION:	X

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

EYE: CORROSIVE. May cause permanent damage if not treated promptly.
SKIN: CORROSIVE. May cause moderate irritation.
INHALATION: Breathing mist or spray may cause irritation.
INGESTION: May cause nausea, vomiting, ulceration of stomach and esophagus.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Prolonged skin contact may cause dermatitis.

LD50 OF PRODUCT (SPECIFY SPECIES & ROUTE)	IRRITANCY OF PRODUCT	EXPOSURE LIMITS OF PRODUCT	
Not Available	Moderate	Not Available	
LC50 OF PRODUCT (SPECIFY SPECIES)	SENSITIZATION TO PRODUCT	SYNERGISTIC MATERIALS	
Not Available	Not Available	Not Available	
CARCINOGENICITY	REPRODUCTIVE EFFECTS	TERATOGENICITY	MUTAGENICITY
Not Available	Not Available	Not Available	Not Available

SECTION VII – PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

GLOVES	RESPIRATORY (SPECIFY)	EYE (SPECIFY)
Rubber or Latex	None under adequate ventilation	Safety Goggles
FOOTWEAR (SPECIFY)	CLOTHING (SPECIFY)	OTHER (SPECIFY)
Rubber	As required	Not Applicable

ENGINEERING CONTROLS (E.G. VENTILATION, ENCLOSED PROCESS, (SPECIFY): Local ventilation
LEAK AND SPILL PROCEDURE: Mop up or soak up with non-combustible absorbent material for disposal.
WASTE DISPOSAL: Dispose of according to local, provincial, and federal regulations.
HANDLING PROCEDURES & EQUIPMENT: Use normal safe handling procedures.
STORAGE REQUIREMENTS: Store in a cool, dry place in a closed container.
SPECIAL SHIPPING INFORMATION: Not Applicable

SECTION VIII – FIRST AID PROCEDURES

SKIN: Wash with soap and water. If irritation persists, seek medical attention.
EYE: Immediately flush eyes with lots of water for at least 15 minutes. Hold eyelids open while flushing. Seek medical attention.
INHALATION: Remove patient to fresh air.
INGESTION: DO NOT induce vomiting. Drink water or milk. Do not give anything by mouth to an unconscious patient. Seek medical attention immediately.
GENERAL ADVICE:

SECTION IX – PREPARATION DATE OF MSDS

ADDITIONAL INFORMATION/COMMENTS: None

SOURCES USED: Supplier MSDS

PREPARED BY: DIAMOND PRODUCTS LTD. **PHONE NUMBER:** (519)759-2443 **DATE:** SEPTEMBER 22, 2011