



Material Safety Data Sheet

QWATRO IODIN

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Section 1 – Material Identification

MANUFACTURER'S NAME: QWATRO CORPORATION
VAUGHAN, ONTARIO
L4H 1X9

PRODUCT: Iodin
MATERIAL USE: Iodine Rinse

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FAX: (416) 675-0384
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HEALTH:
PERSONAL PROTECTION:
REACTIVITY:
FIRE:

(CLASSIFICATIONS: 0 = MINIMAL 1 = SLIGHT 2 = MODERATE 3 = SERIOUS 4 = EXTREME)

Section 2 – Hazardous Ingredients of Materials

Chemical Identity	CAS Number	%	LD50/LC50
Iodine	7553-56-2	1.75	OSHA PEL 0.1 ppm ACGIH TLV 1mg/m3

Section 3 – Physical Data for Material

PHYSICAL STATE (GAS/LIQUID/SOLID): Liquid
ODOUR/APPEARANCE: Dark Brown with mild iodine odour
ODOUR THRESHOLD (PPM): N/A
SPECIFIC GRAVITY: 1.032

VAPOUR PRESSURE (MM): 24mm Hg
VAPOUR DENSITY (AIR = 1): 1.0
EVAPORATION RATE: 1 (water = 1)
BOILING POINT (°C): 101°C
FREEZING POINT (°C): N/E
SOLUBILITY IN WATER (20°C): Complete
% VOLATILE (BY VOL.): N/A
pH: 1.5

Section 4 – Fire and Explosion Hazard

FLAMMABILITY: None
MEANS OF EXTINCTION: Water spray, carbon dioxide dry
chemical
SPECIAL PROCEDURES: N/A
SENSITIVITY TO IMPACT: N/A
FLASHPOINT (°C) AND METHOD: Does not ignite
UPPER EXPLOSION LIMIT (% BY VOL.): N/A

LOWER EXPLOSION LIMIT (% BY VOL.): N/A
AUTOIGNITION TEMP. (°C): N/A
TDG FLAMMABILITY CLASSIFICATION: N/A
HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon

Section 5 – Reactivity Data

CHEM. STABILITY: Stable up to 110°C
INCOMPATIBILITY TO SUBSTANCES: Avoid contact with strong oxidizers and bases
REACTIVITY – CONDITIONS:
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield oxides of Carbon, Nitrogen and Chlorine.
Hydrogen gas may be released upon contact with certain metals at sustained temperatures above 60°C

Section 6 – Toxicological Properties

ROUTE OF ENTRY	EFFECTS OF ACUTE EXPOSURE
<p>SKIN CONTACT: Yes EYE CONTACT: Yes INHALATION: No INGESTION: Yes</p>	<p>EYE: May be painful and irritating</p> <p>SKIN: Acute exposure is irritating. Non-corrosive to skin</p> <p>INGESTION: This product may be harmful or fatal if ingested</p> <p>INHALATION: Not a likely route of exposure due to physical properties. Product has a low vapour pressure at room temperature and is not expected to present a significant inhalation hazard under ambient conditions. Product can be irritating to the respiratory tract if inhaled as a mist or if the material is vaporized</p>

Section 7 – Preventive Measures

<p>PERSONAL PROTECTIVE EQUIPMENT</p> <p>GLOVES: Use impervious (rubber, nitrile) gloves. RESPIRATORY: NIOSH/NSHA approved respirator, if mist is generated. EYE: Use chemical goggles or full face shield if working with bulk quantities ENGINEERING CONTROLS: Normal ventilation usually adequate</p> <p>LEAK AND SPILL PROCEDURE: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent (sand) and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice</p> <p>WASTE DISPOSAL: Review federal, provincial and local government requirements prior to disposal</p> <p>HANDLING PROCEDURES/EQUIPMENT:</p> <p>SPECIAL SHIPPING INFORMATION: Not regulated under DOT & TDG. Class D2B</p> <p>STORAGE REQUIREMENTS: Keep out of reach of children. Keep container tightly closed. Store in fiberglass, polyethylene or polypropylene containers. Do not store in metal containers, especially aluminum. Storage in certain metal containers at temperatures above 60°C may result in hydrogen gas evolution. Do not store at temperatures above 48°C</p>

Section 8 – First Aid Measures

<p>SKIN: Flush with mild soap and water for 15 minutes. Seek medical attention if irritation develops EYE: Immediately flush with water for 15 minutes. Seek medical attention INHALATION: Move to fresh air. If breathing is difficult, give oxygen and seek medical attention INGESTION: Do not induce vomiting. If conscious, give 3-4 glasses of water to dilute and get immediate medical care GENERAL ADIVCE: This product is not generally considered hazardous, however the same care should be taken as with any industrial cleaner/detergent</p>

PREPARED BY: QWATRO LAB GROUP

NOTICE: INFORMATION CONTAINED IN THIS MSDS IS DRAWN FROM RELIABLE SOURCES. WE DO NOT ASSUME ANY LIABILITY IN CONNECTION WITH ITS INADEQUATE USE.