

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Manufactured by:

Quip Laboratories, Inc.
1500 Eastlawn Avenue
Wilmington, DE 19802

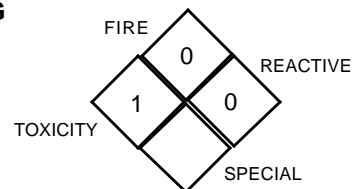
Non-Emergency: (302) 761-2600

CHEMICAL EMERGENCY NUMBER
CHEMTREC
1-800-424-9300

Product Name: Iodex AR/18
Common Name: Iodine Disinfectant
Chemical Name: Iodine Solution
Formula: Iodine/Phosphoric acid Mixture
Product Use: Cleaner/Disinfectant/Sanitizer

HAZARD RATING

4-EXTREME
3-HIGH
2-MODERATE
1-SLIGHT
0-INSIGNIFICANT



SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS:

INGREDIENTS:		% / Wt.	TLV/ACGIH
Phosphoric Acid	(C.A.S. # 7664-38-2)	16.00%	1 Mg/M ³
Iodine	(C.A.S. # 7553-56-2)	1.75%	0.1 ppm
Water	(C.A.S. # 7732-18-5)	To q.s.	None Established

SECTION 3: PHYSICAL DATA:

APPEARANCE: Dark brown liquid. **ODOR:** Mild iodine odor
SPECIFIC GRAVITY: 1.135 **pH:** 1.5 - 2.0
SOLUBILITY IN WATER: Complete **EVAPORATION RATE:** 1 (water=1)
VOLATILE BY VOLUME: N/A **BOILING POINT:** N/A
VAPOR DENSITY: N/A **VAPOR PRESSURE:** N/A

SECTION 4: FIRE & EXPLOSION DATA:

FLASH POINT: Non-flammable **ESTIMATED EXPLOSIVE LIMIT RANGE: LEL:** 0.00% **UEL:** 0.00%
FLASH POINT METHOD USED: N/A
EXTINGUISHING MEDIA: Water spray, carbon dioxide.
SPECIAL FIRE-FIGHTING PROCEDURES: Use self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: May emit toxic fumes of iodine and phosphorous oxide with high heat.

SECTION 5: HEALTH HAZARD DATA:

ROUTES OF ENTRY/SIGNS AND SYMPTOMS OF EXPOSURE:
EYES CONTACT: Corrosive to the eyes, may cause severe damage.
SKIN CONTACT: Substance is corrosive. May cause severe skin burns.
INHALATION: Irritating to the nose, throat, and respiratory tract.
INGESTION: Harmful if swallowed. Swallowing product can cause severe burns to the lining of the mouth, throat, and digestive tract.
Signs and Symptoms of Overexposure: Irritation to eye and skin tissue.
Aggravated Medical Conditions: N/A
Supplemental Health Information: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsions may be needed.

SECTION 6: EMERGENCY & FIRST AID PROCEDURES:

EYE CONTACT: Flush immediately with plenty of water for at least 15 minutes. Remove contacts, if worn, after the first 5 minutes, then continue rinsing. Get immediate medical attention.

SKIN CONTACT: Immediately flush with plenty of water for 15 minutes, while removing contaminated clothing and shoes. Get immediate medical attention. Wash contaminated clothing before reuse.

INHALATION: Remove to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

INGESTION: DO NOT INDUCE VOMITING. Give victim large amounts of milk or water to dilute. Get immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION 7: SPECIAL PROTECTION INFORMATION:

PROTECTIVE GLOVES: Chemically resistant gloves are required.

EYE PROTECTION: Safety glasses with side shields (or goggles) and a face shield.

RESPIRATORY PROTECTION: Recommended. NIOSH/MSHA approved (or equivalent) respirator if mist is generated.

LOCAL EXHAUST: Use only with adequate ventilation.

OTHER EQUIPMENT: Boots, apron, eye bath and safety shower.

Work/Hygiene Practices: Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.

SECTION 8 :REACTIVITY DATA:

STABILITY: Stable. Do not store below 25° F or above 100° F for extended periods of time.

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY: Reducing agents, alkalis, strong oxides, and chlorinated products.

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION OR BY PRODUCTS: May give off iodine vapors with high temperatures.

SECTION 9: SPILL OR LEAK PROCEDURES:

SPILL RESPONSE: Neutralize the acid with soda ash or sodium bicarbonate, and the Iodine with Sodium Thiosulfate or Sodium Sulfite, or flood area with large amounts of water. After neutralization with Sodium Sulfite and soda ash, wash to sewer if in accordance with local, state and federal regulations.

WASTE DISPOSAL METHODS: Do not reuse empty container. Rinse container before disposing in a safe manner. Follow all Federal, State, and local regulations.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of waste. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination Systems (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store product above 100° F for extended periods of time.

OTHER PRECAUTIONS: THOROUGHLY RINSE ALL MEASURING DEVICES AND STORE OUT OF REACH OF CHILDREN. Keep container tightly closed when not in use. Avoid contamination of food or feed.

SECTION 10: REGULATORY INFORMATION:

SHIPPING NAME: Corrosive liquid, acidic, inorganic
(Contains Phosphoric acid)
HAZARD CLASS: 8 (Corrosive)
UN NUMBER: UN3264
PACKING GROUP: PG II
DOT CLASS: Corrosive liquid.

REGULATORY INFORMATION: SARA/TITLE III Hazard Categories;

Immediate (Acute) Health: Yes Delayed (Chronic) Health: No Fire Hazard: No
Reactive Hazard: No Sudden Release of Pressure: No

Contains ingredient (s) reportable according to 40 CFR, 302, Table 304.2: (CERCLA) Reportable Quantities (RQ). Environmental releases exceeding reportable quantities must be reported to the National Response Center by calling 800-424-8802 (202-426-2675), as well as state and local authorities.

SECTION 11. SPECIAL INFORMATION:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container tightly closed when not in use. Do not store below 25° F or above 100° F for extended periods of time. Avoid contamination with food or feed.

Container Disposal: Do not reuse empty container. Triple rinse (or equivalent) and dispose of container in a safe manner.

PREPARED BY: D. M. McFadden

DATE: 3/4/2004