



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 0070

PRODUCT NAME: ADAGE II**USE:** Sanitizer**SUPPLIER:**JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada**EMERGENCY PHONE:****1-800-668-7171****WHMIS CLASSIFICATION:** D2B E**CHEMICAL FAMILY:** Iodophor**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Phosphoric acid	10-30	007664-38-2	LD50 1530 mg/kg	oral/rat
Dipropylene glycol methyl ether	1-5	034590-94-8	LD50 5660 mg/kg	oral/rat
Iodine	1-5	007553-56-2	LD50 14000 mg/kg	oral/rat
Polyalkylene glycol ether	7-13	009038-95-3	LD50 12000 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** Natural Rubber**Eye:** safety goggles**Footwear:** not normally required**Respiratory:** If mists are generated, use NIOSH approved mask**Other:** not required**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** not required**VENTILATION REQUIREMENTS:** mechanical exhaust**INCOMPATIBILITY (Material to Avoid):** Aqueous ammonia and strong alkali.**SPILL PROCEDURES:** Contain the spill. Do not allow the spilled product to go to drain. Mop up or soak up with absorbent clay for disposal.**WASTE DISPOSAL:** Dispose according to municipal, provincial, and federal regulations.**STORAGE / SHIPPING REQUIREMENT:** Store in a cool dry area in a closed container. Avoid freezing. UN1805

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Dark brown liquid - Iodine odour**S.G. / BULK DENSITY(g/cc):** 1.15**pH:** < 1.0**VAPOUR PRESSURE (mmHg):** not applicable**VAPOUR DENSITY (air=1):** not applicable**ODOUR THRESHOLD:** not available**BOILING POINT:** approx. 100°C**FREEZING POINT:** not available**PERCENT VOLATILE:** 60%**SOLUBILITY IN WATER:** soluble**EVAPORATION RATE (water=1):** not applicable

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:**EYES:** Corrosive. May cause severe irritation. May cause permanent damage if not treated promptly.**SKIN:** Corrosive. May cause severe irritation.**INGESTION:** Corrosive. May cause severe irritation of the digestive tract.

INHALATION: May cause irritation of respiratory tract.	
LD50 (calculated): 7100 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: Iodine TLV-CL 1.0 mg/m3 (0.1 ppm)	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: not available	
VI - FIRST AID MEASURES	
EYES:	Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.
SKIN:	Flush affected area thoroughly with water. If irritation develops, contact a physician.
INGESTION:	Drink large volumes of water . Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.
INHALATION:	Remove patient to fresh air. Get medical attention for any breathing difficulty.
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: No	
FLASH POINT, °C: not applicable	AUTO IGNITION TEMPERATURE, °C: N/Av
EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.	
HAZARDOUS COMBUSTION PRODUCTS: Iodine vapours are released upon heating. Oxides of carbon.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: Keep from freezing.	
INCOMPATIBILITY (Material to Avoid) : Aqueous ammonia and strong alkali.	
HAZARDOUS DECOMPOSITION PRODUCTS: Contact with aqueous ammonia will produce nitrogen triiodide which is explosive. Contact with strong alkali will generate heat and release iodine vapour.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS, Supplier MSDS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Food Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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