



Adage® II (CAN) Iodine Detergent/Sanitizer

Revision: 2024-07-31

Version: 02.0

1. IDENTIFICATION

Product name: Adage® II (CAN)
Iodine Detergent/Sanitizer

SDS #: MS0800980

Recommended use:

- Sanitizer
- Professional cleaning/maintenance product for food & beverage industries
- This product is intended to be diluted prior to use

Uses advised against: Uses other than those identified are not recommended

Manufacturer, importer, supplier:

US Headquarters Diversey, Inc. 1300 Altura Rd., Suite 125 Fort Mill, SC 29708 Phone: 1-888-352-2249 SDS Internet Address: https://sds.diversey.com	Canadian Headquarters Diversey Canada, Inc. 6150 Kennedy Road Unit 3 Mississauga, Ontario L5T 2J4 Phone: 1-800-668-7171
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Emergency telephone number: 1-800-851-7145; 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

Classification for the undiluted product

Specific target organ toxicity (repeated exposure), Category 1

Skin irritation, Category 2

Eye irritation, Category 2A

**Signal word:****Danger.**

Hazard Statements

CAUSES SKIN AND SERIOUS EYE IRRITATION. CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

Precautionary Statements

Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. Do not eat, drink or smoke when using this product. May cause irritation to mouth, throat and stomach. Wear chemical-splash goggles and chemical-resistant gloves. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Take off contaminated clothing and wash it before reuse. Dispose of in accordance with all federal, state and local applicable regulations. SUPPLEMENTAL INFORMATION: Mix only with water. DO NOT MIX WITH AMMONIA, BLEACH OR OTHER CHLORINATED COMPOUNDS. Can react to release hazardous gases. May vigorously react with strong alkaline products resulting in spattering and excessive heat.

Health hazards not otherwise classified (HHNOC) - Not applicable**Physical hazards not otherwise classified (PHNOC)** - Not applicable

Classification for the diluted product 0.16% v/v

This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

Hazard and Precautionary Statements

None required.

Adage® II (CAN)
Iodine Detergent/Sanitizer

3. COMPOSITION/INFORMATION ON INGREDIENTS

Classified Ingredients

Ingredient(s)	CAS #	Weight %
Phosphoric acid	7664-38-2	10 - 30%
Polyalkylene glycol	9038-95-3	5 - 10%
Iodine	7553-56-2	1 - 5%

4. FIRST AID MEASURES

Undiluted Product:

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

Skin: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Inhalation: No specific first aid measures are required.

Ingestion: IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water.

Most Important Symptoms/Effects: No information available.

Immediate medical attention and special treatment needed: Not applicable.

Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

Diluted Product:

Eyes: Rinse with plenty of water.

Skin: No specific first aid measures are required

Inhalation: No specific first aid measures are required

Ingestion: IF SWALLOWED: Call a Poison Center (1-800-851-7145) or doctor/physician if you feel unwell.

5. FIRE-FIGHTING MEASURES

Specific methods: No special methods required

Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Extinguishing media which must not be used for safety reasons: No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Put on appropriate personal protective equipment (see Section 8.).

Environmental precautions and clean-up methods: Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Do not taste or swallow. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Mix only with water. DO NOT MIX WITH AMMONIA, BLEACH, OR OTHER CHLORINATED COMPOUNDS. Can react to release hazardous gases. May vigorously react with strong alkaline products resulting in spattering and excessive heat. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue.

Storage: Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Ingredient(s)	ACGIH	OSHA
Phosphoric acid	3 mg/m ³ (STEL)	1 mg/m ³ (TWA)

	1 mg/m ³ (TWA)	
Iodine	0.001 ppm (TWA)	0.1 ppm (Ceiling) 1 mg/m ³ (Ceiling)

Undiluted Product:

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

Personal Protective Equipment

- Eye protection:** Chemical-splash goggles.
- Hand protection:** Chemical-resistant gloves.
- Skin and body protection:** Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.
- Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
- Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

Diluted Product:

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

- Eye protection:** No personal protective equipment required under normal use conditions.
- Hand protection:** No personal protective equipment required under normal use conditions.
- Skin and body protection:** No personal protective equipment required under normal use conditions.
- Respiratory protection:** No personal protective equipment required under normal use conditions.
- Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid

Evaporation Rate: No information available

Odor threshold: No information available.

Melting point/freezing point (°C): Not determined

Autoignition temperature: No information available

Solubility in other solvents: No information available

Density: 1.15 Kg/L

Bulk density: No information available

Flash point (°F): > 200 °F > 93.3 °C

Kinematic viscosity No information available

VOC: 1.5 % % *

Flammability (Solid or Gas): Not applicable

Sustained combustion: Not applicable

Explosion limits: - upper: Not determined **- lower:** Not determined

Color: Opaque , Dark , Brown

Odor: Iodine

Boiling point/range: Not determined

Decomposition temperature: Not determined

Solubility: Completely Soluble

Relative Density (relative to water): 1.15

Vapor density: No information available

Vapor pressure: No information available.

Partition coefficient (n-octanol/water): No information available

Elemental Phosphorus: 5.95 % by wt.

pH: 1.0

Corrosion to metals: Not determined

Dilution pH:

Dilution Flash Point (°F): > 200 °F > 93.4 °C

VOC % by wt. at use dilution: 0%

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Reactivity:

Not Applicable

Stability:

The product is stable

Possibility of hazardous reactions:

May vigorously react with strong alkaline products resulting in spattering and excessive heat.

Hazardous decomposition products:

None reasonably foreseeable.

Materials to avoid:

Ammonia. Bases. Do not mix with chlorinated products (such as bleach). Strong bases. Do not mix with any other product or chemical unless specified in the use directions.

Conditions to avoid:

Do not mix with any other product or chemical.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Eye contact, Skin contact, Inhalation

Delayed, immediate, or chronic effects and symptoms from short and long-term exposure

Skin contact: Causes skin irritation. Symptoms may include pain (which may be delayed), redness, and/or discomfort.

Eye contact: Causes serious eye irritation. Symptoms may include pain, redness, and watering.

Ingestion: May be irritating to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

Inhalation: May be irritating to nose, throat, and respiratory tract. Symptoms may include coughing and difficulty breathing.

Sensitization: No known effects.

Target Organs (SE): None known

Target Organs (RE):

Numerical measures of toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products (undiluted product): This product, as sold, if discarded or disposed, is a hazardous waste according to Federal regulations (40 CFR 261). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

Waste from residues / unused products (diluted product): This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

RCRA Hazard Class (undiluted product): D002 Corrosive Waste

RCRA Hazard Class (diluted product): Not Regulated

Contaminated Packaging: Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT (Ground) Bill of Lading Description: NOT REGULATED

15. REGULATORY INFORMATION

International Inventories at CAS# Level

US RIGHT TO KNOW (RTK)

CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Phosphoric acid	7664-38-2	10 - 30%	5000		

Ingredient(s)	CAA HAP	CAA ODS	CWA Priority Pollutants

Dipropylene glycol methyl ether	X		
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Canadian Regulations

16. OTHER INFORMATION

NFPA (National Fire Protection Association)
 Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 2
Flammability 0
Instability 0
Special Hazards -

Diluted Product:
Health 0
Flammability 0
Instability 0

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Version: 02.0

Reason for revision: Not applicable
Prepared by: North American Regulatory Affairs
Additional advice: • Does not contain an added fragrance

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