



## SECTION 1 – IDENTIFICATION

**NAME:** AR-2000 #3

**USE:** Rinse additive for dishwasher

**MANUFACTURER:** B.O.D. CHEMICALS INC.  
3300, Star Street, Saint-Hubert, Qc, Canada, J3Y 3W6  
Phone : (450) 443-5556 / Fax : (450) 443-6230 / Email : info@chimiquesbod.com

**EMERGENCY PHONE:** 1 (877) 565-8540

## SECTION 2 – HAZARDS IDENTIFICATION

### GHS CLASSIFICATION

**PHYSICAL HAZARDS:** None

**HEALTH HAZARDS:** Serious eye damage / Eye irritation, category 1

**ENVIRONMENTAL HAZARDS:** Not available

### GHS LABEL ELEMENTS

**PICTOGRAM:**



**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:** Causes serious eye damage.

### PRECAUTIONARY STATEMENTS

**PREVENTION:** Wear protective gloves/protective clothing/eye protection/face protection.

**RESPONSE:** **If in eyes:** Rinse immediately and cautiously with water for 10-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, keeping eyelids open. Immediately call a POISON CENTER or doctor/physician.

**STORAGE / DISPOSAL:** No special remarks.

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (W/W)
Ethylene oxide/Propylene oxide copolymer	009003-11-6	7 - 13

## SECTION 4 – FIRST AID MEASURES

**SKIN:** Remove contaminated clothing. Rinse skin with water for 10 minutes/shower. Consult a physician if irritation persists.

**EYES:** Rinse cautiously with water for 10-15 minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

**INGESTION:** Rinse mouth. Do not induce vomiting. Drink 3 to 4 glasses of water. Do not give anything by mouth if victim is unconscious. Call a physician.

**INHALATION:** Breathe fresh air. Give artificial respiration if necessary. Consult a physician if discomforts persist.

**MOST IMPORTANT SYMPTOMS** Eyes: Causes serious eye damage. Symptoms may include burning, tingling, watery eyes,

**AND EFFECTS, BOTH ACUTE AND DELAYED:** redness, swelling and blurred vision.

**TO PHYSICIAN:** Treat symptoms

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## SECTION 5 – FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Water spray, carbon dioxide, chemical powder, foam.

**UNSUITABLE EXTINGUISHING MEDIA:** Do not use water jet as an extinguisher, as this will spread the fire.

**SPECIFIC HAZARDS OF THE HAZARDOUS PRODUCT:** The product is not flammable. In case of fire, toxic fumes could be emitted. The product does not burn itself but can decompose during heating to produce carbon monoxide and dioxide and toxic fumes.

**SPECIAL FIRE FIGHTING EQUIPMENT:** Wear protective clothing and positive pressure self-contained breathing apparatus if necessary.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** Avoid contact of the product with eyes and skin. Wear gloves and safety goggles. Control spill to prevent discharge in sewers.

**ENVIRONMENTAL PRECAUTIONS:** Avoid the spillage or runoff entering drains, sewers or watercourses.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Wear protective clothing. Control spill to prevent runoff into sewers. Cover with inert absorbent material and recover in suitable containers. Sweep and rinse with water.

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## SECTION 7 – HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Avoid contact of the product with eyes and skin. Do not eat, drink or smoke when using this product.

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:** Keep containers closed, in fresh, dry and well ventilated area.

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## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

### OCCUPATIONAL EXPOSURE LIMITS

No occupational exposure limits known.

**APPROPRIATE ENGINEERING CONTROL:** Normal ventilation

### PERSONAL PROTECTIVE EQUIPMENT



**SKIN:** Impermeable gloves recommended.

**EYES:** Safety goggles.

**RESPIRATORY:** Generally not required.

**HYGIENE MEASURES:** Wash hands after handling.

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE / FORM:** Clear liquid

**COLOR:** Green

**ODOR:** Light

**ODOR THRESHOLD:** Not available

<b>pH:</b>	3.0 - 3.5
<b>MELTING POINT / FREEZING POINT (°C):</b>	~ 0
<b>BOILING POINT (°C):</b>	~ 100
<b>FLASH POINT (°C):</b>	Not available
<b>EVAPORATION RATE:</b>	Not available
<b>EXPLOSIVE LIMITS:</b>	Not available
<b>VAPOUR PRESSURE:</b>	Not available
<b>VAPOUR DENSITY:</b>	Not available
<b>DENSITY (kg/L):</b>	1.00 - 1.02
<b>WATER SOLUBILITY:</b>	Complete
<b>PARTITION COEFFICIENT / N-OCTANOL/WATER:</b>	Not available
<b>AUTOIGNITION TEMPERATURE (°C):</b>	Not available
<b>DECOMPOSITION TEMPERATURE (°C):</b>	Not available

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## **SECTION 10 – STABILITY AND REACTIVITY**

<b>REACTIVITY:</b>	No dangerous reaction known under conditions of normal use.
<b>STABLE:</b>	Stable at normal ambient temperatures and when used as recommended.
<b>HAZARDOUS REACTIONS:</b>	Hazardous polymerisation does not occur.
<b>CONDITIONS TO AVOID:</b>	Contact with incompatible materials.
<b>INCOMPATIBILITY:</b>	Strong oxidizing agents (bleach).
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Not available.

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## **SECTION 11 – TOXICOLOGICAL INFORMATION**

### **INFORMATION ON LIKELY ROUTES OF EXPOSURE**

<b>SKIN:</b>	No serious effect.
<b>EYES:</b>	Causes serious eye damage.
<b>INHALATION:</b>	No serious effect.
<b>INGESTION:</b>	May cause an irritation.

### **NUMERIC VALUES OF TOXICITY**

<b>ACUTE ORAL TOXICITY:</b>	LD50 (rat): 19.7 g/kg
<b>ACUTE DERMAL TOXICITY:</b>	Not available. No health effects (normal conditions of use).
<b>ACUTE INHALATION TOXICITY:</b>	Not available. No health effects (normal conditions of use).

### **DELAYED AND IMMEDIATE EFFECTS**

<b>SKIN CORROSION / IRRITATION:</b>	No serious effect.
<b>SERIOUS EYE DAMAGE / EYE IRRITATION:</b>	Causes serious eye damage.
<b>RESPIRATORY SENSITIZATION:</b>	Not expected to cause respiratory sensitization.

<b>SKIN SENSITIZATION:</b>	Not expected to cause skin sensitization.
<b>GERMINAL CELL MUTAGENICITY:</b>	No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.
<b>CARCINOGENICITY:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen.
<b>REPRODUCTIVE TOXICITY:</b>	No potential reproductive toxicity.
<b>SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE:</b>	Not classified.
<b>SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE:</b>	Not classified.
<b>ASPIRATION HAZARD:</b>	Not classified.

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## SECTION 12 – ECOLOGICAL INFORMATION

<b>ECOTOXICITY:</b>	Not available
<b>PERSISTENCE AND DEGRADABILITY:</b>	Not available
<b>BIOACCUMULATIVE POTENTIAL:</b>	Not available
<b>MOBILITY IN SOIL:</b>	Not available
<b>OTHER ADVERSE EFFECTS:</b>	Not available

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## SECTION 13 – DISPOSAL CONSIDERATIONS

<b>DISPOSAL INSTRUCTIONS:</b>	Collect in appropriate containers and recycle or dispose the product at a licensed waste disposal site or in accordance with local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses.
<b>HAZARDOUS WASTE CODE:</b>	Not a hazardous product.
<b>CONTAMINATED PACKAGING:</b>	Rinse with water and recycle.

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## SECTION 14 – TRANSPORT INFORMATION

<b>TDG / DOT:</b>	Not regulated
<b>SPECIAL PRECAUTIONS FOR USER:</b>	Read safety instructions, SDS and emergency procedures before handling.

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## SECTION 15 – REGULATORY INFORMATION

Ingredients included on inventory of DSL (Canada), REACH, TSCA (USA)

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## SECTION 16 – OTHER INFORMATION

<b>PRODUCT NAME:</b>	AR-2000 #3
<b>IN CASE OF ACCIDENTAL SPILL:</b>	CANUTEC (Canada): 1 (613) 996-6666
<b>PREPARED BY:</b>	B.O.D. CHEMICALS INC.
<b>PHONE:</b>	(450) 443-5556
<b>DATE:</b>	November 23 <sup>th</sup> , 2018

B.O.D. CHEMICALS INC. assume no responsibility for damages or physical injuries resulting in the use of this product. The user recognizes the risk in the use of this product and must consult and respect directions and dangers of this product.