

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AD-2000

PRODUCT USE: Concentrated cleaner

MANUFACTURED FOR: Warsaw Chemical Holdings LLC.  
P.O. Box 858  
Warsaw, IN 46581

INFORMATION PHONE: Tel: 1-800-548-3396  
Fax: 1-574-267-3884

EMERGENCY PHONE: INFOTRAC  
1-800-535-5053 USA & Canada  
352-323-3500 International

## SECTION 2 - HAZARD(S) IDENTIFICATION

CLASSIFICATION: Acute Toxicity - Oral: Category 4  
Acute Toxicity - Skin: Category 4  
Eye Damage: Category 1

PICTOGRAMS:



GHS ELEMENTS:

SIGNAL WORD: Danger

HAZARD STATEMENT(S): H302 | Harmful if swallowed.  
H312 | Harmful if in contact with skin.  
H318 | Causes serious eye damage.

PRECAUTIONARY STATEMENT(S): P264 | Wash any exposed body parts thoroughly after handling.  
P270 | Do not eat, drink or smoke when using this product.  
P280 | Wear protective gloves/protective clothing/eye protection/face protection.  
P301 + P312 | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P302 + P352 | IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 | Immediately call a POISON CENTER or doctor/physician.  
P312 | Call a POISON CENTER or doctor/physician if you feel unwell.  
P322 | Specific measures (see supplemental first aid instruction on this label if immediate measures such as specific cleansing agent is advised).  
P330 | Rinse mouth.  
P363 | Wash contaminated clothing before reuse.  
P501 | Dispose of contents/container to appropriate waste disposal entity in accordance with local/regional/national/international regulation.

ADDITIONAL PRECAUTIONS:

None Known

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	PERCENT
Sodium Metasilicate Pentahydrate	10213-79-3	10 - 20%
2-Butoxyethanol	111-76-2	10 - 20%
Surfactant	68130-47-2	5 - 10%
Tetrasodium EDTA	64-02-8	1 - 5%
Sodium Hydroxide 50%	1310-73-2	1 - 5%
DEFOAMER	Not Available	< 1.0%
Acrylic Polymer	25212-88-8	< 1.0%
Preservative	N/E	< 1.0%
PROPRIETARY BLEND	N/E	< 1.0%

The chemical identity of some or all components is confidential business information (trade secret) and is being withheld as permitted by 29CFR1910.1200 (i). No other ingredients known to be hazardous.

## SECTION 4 - FIRST AID MEASURES

EYES:	Check for and remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
SKIN:	Wash skin surfaces thoroughly after contact. Wash clothing and clean shoes thoroughly before reuse. Get medical attention if irritation develops.
INHALATION:	Move exposed person to fresh air. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen clothing. Get medical attention immediately.
INGESTION:	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
GENERAL:	Physicians: No specific treatment. Treat symptomatically. Contact poison treatment specialist if large quantities have been inhaled or ingested.

See Section 11 for exposure symptoms.

## SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABILITY:	In a fire or if heated, a pressure increase will occur and the container may burst.
EXTINGUISHING MEDIA:	Use an extinguishing agent suitable for the surrounding fire.
PROTECTIVE EQUIPMENT:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.



**ADDITIONAL INFORMATION:**

Thermal decomposition products-carbon monoxide, sulfur oxides, metal oxide/oxides, halogenated compounds.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:**

No action should be taken involving individual risk or without suitable training. Isolate area. Avoid contact with material. Do not breathe vapors. Provide adequate ventilation. Wear proper personal protective equipment.

**ENVIRONMENTAL:**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform relevant authorities if the product reaches sewers, waterways or soil.

**CONTAINMENT/CLEANUP:**

Stop leak if without risk. Move containers from spill area. Contain or absorb with inert dry material. Dispose of according to local regulations. See Section 1 for emergency contact information and 13 for waste disposal.

## SECTION 7 - HANDLING AND STORAGE

**SAFE HANDLING:**

Wear appropriate personal protective equipment (see Section 8). Eating drinking and smoking should be prohibited. Do not get into eyes or on skin. Do not ingest. Keep containers tightly closed. Do not reuse container.

**SAFE STORAGE:**

Store in accordance with local regulations. Store in original container away from foods, drink and incompatible materials. Keep container tightly closed. Do not store unlabeled. Use appropriate containment.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:**

Apply technical measures to comply with occupational exposure limits. Mechanical ventilation, eyewash stations, showers where necessary.

**EYE PROTECTION:**

Safety eye-wear/face shield complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

**RESPIRATORY PROTECTION:**

Use a properly fitted air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates necessity. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product & the safe working limits of the chosen respirator.

**HAND PROTECTION:**

Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**SKIN PROTECTION:**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

COMPONENT	ACGIH TWA ppm	OSHA/NIOSH STEL ppm	OSHA/ACGIH STEL mg/m3
Sodium Metasilicate Pentahydrate	None	None	None
2-Butoxyethanol	20.00	None	None
Surfactant	None	None	1.00
Tetrasodium EDTA	None	None	15.00
Sodium Hydroxide 50%	2.00	None	None
DEFOAMER	None	None	None
Acrylic Polymer	None	None	None
Preservative	None	None	None
PROPRIETARY BLEND	None	None	None

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid	UPPER EXPLOSIVE LIMITS:	NA
COLOR:	Yellow/Green	LOWER EXPLOSIVE LIMITS:	NA
ODOR:	Butyl	VAPOR PRESSURE:	NA
ODOR THRESHOLD:	NA	VAPOR DENSITY:	NA
PH:	11.5 - 14.0	RELATIVE DENSITY:	NA
MELTING POINT:	NA	SOLUBILITY:	Completely Water Soluble
FREEZING POINT:	23.00 F	PARTITION COEFFICIENT:	NA
BOILING POINT:	NA	AUTO-IGNITION TEMPERATURE:	NA
FLASH PT METHOD:	NA	DECOMPOSITION TEMPERATURE:	NA
FLASH POINT:	NA	SPECIFIC GRAVITY:	1.07000
EVAPORATION RATE:	NA	% VOLATILE:	9.90000
FLAMMABILITY:	Nonflammable	VISCOSITY (cst):	NA

## SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY:	HAZARDOUS DECOMPOSITION PRODUCTS
CHEMICAL STABILITY:	Stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:	Non-reactive.
CONDITIONS TO AVOID:	Excessive heat or open flame.
INCOMPATIBLE MATERIALS:	Avoid contact with acidic materials and strong oxidizers.





## AD-2000

Page 5 of 7

Version:

1.0061

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Under normal conditions, none are known.

DECOMPOSITION PRODUCTS:

ROUTES OF ENTRY:                      Inhalation                      X                      Absorption                      X                      Ingestion

ACUTE EXPOSURE HAZARDS:

**EYE CONTACT:** Irritation, stinging, redness, burns.

DERMAL: Irritation, burns upon prolonged exposure.

ORAL: Nausea, vomiting.

**INHALATION:** No expected route of entry. Irritation.

Sodium Metasilicate Pentahydrate (CAS No. 10213-79-3)

Oral LD50: Rat 1152-1349 mg

2-Butoxyethanol (CAS No. 111-76-2)

Oral LD50: Rat 470 mg/kg

Surfactant (CAS No. 68130-47-2)

Oral LD50: Rat 3.95 mg/kg

Tetrasodium EDTA (CAS No. 64-02-8)

Oral LD50: 630-1,260mg/kg, rat

Acrylic Polymer (CAS No. 25212-88-8)

Oral LD50: Rat 5000 mg/kg

Preservative (CAS No. N/E)

Oral LD50: 66mg/kg rabbit

Dermal LD50: 141mg/kg rat

ECOTOXICITY: No data available.

**PERSISTENCE & DEGRADABILITY:** No data available.

**BIOACCUMULATIVE POTENTIAL:** No data available.

MOBILITY IN SOIL: No data available.

OTHER ADVERSE EFFECTS: No data available.

Sodium Metasilicate Pentahydrate (CAS No. 10213-79-3)

Fish LC50: Danio Rerio (Zebra Fish) 210 mg/L 96h

2-Butoxyethanol (CAS No. 111-76-2)

Fish LC50: 1250mg/L, 96h, Inland Solverside

Crustacean LC50: *Daphnia* 1818 mg/L 24h

Surfactant (CAS No. 68130-47-2)

Fish LC50: Rainbow trout 5.5 mg/kg 96h

Tetrasodium EDTA (CAS No. 64-02-8)

Fish LC50: 410mg/kg, 96h, bluegill

Sodium Hydroxide 50% (CAS No. 1310-73-2)

Fish LC50: 144mg/L, 96H guppy

Acrylic Polymer (CAS No. 25212-88-8)

Fish LC50: Minnow 100 mg/L 96h

Preservative (CAS No. N/E)

Fish LC50: 0.22mg/L 96h trout

Crustacean LC50: 6.76mg/L 48h daphnia

## SECTION 13 - DISPOSAL CONSIDERATION

Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Processing, use or contamination of the product may change the waste management options. Waste generators must decide if discarded material is a hazardous waste. State and local disposal regulations may differ from federal disposal definitions. Dispose of container and unused contents in accordance with federal, state and local requirements.

## SECTION 14 - TRANSPORT INFORMATION

DOT (US)

UN NUMBER:	UN1760
SHIPPING NAME:	Corrosive Liquids, N.O.S.
TECHNICAL NAME:	(Sodium Hydroxide, Silicate)
HAZARD CLASS:	8
PACKAGING GROUP:	II

## SECTION 15 - REGULATORY INFORMATION

SARA 313 COMPONENTS	CAS NO.	% LESS THAN
2-Butoxyethanol	111-76-2	10 - 20%
CALIFORNIA PROP. 65 COMPONENTS	CAS NO.	% LESS THAN
2-Butoxyethanol	111-76-2	10 - 20%
Tetrasodium EDTA	64-02-8	1 - 5%
Acrylic Polymer	25212-88-8	< 1.0%

This product can expose you to Ethylene Glycol, which is known to the State of California to cause birth defects or other reproductive harm..  
contains Nitrilo Acetic Acid <0.3% max and arsenic (max 1ppm) as contaminants or bi-products which are known to the State of



California to cause cancer or reproductive toxicity as listed under Prop. 65 State Drinking Water and Toxic Enforcement Act.

RQ 1,000#

This product contains a chemical that is at or below California Prop. 65's "safe harbor level".

Therefore it is not required to be listed. (Acrylic polymer)

## SECTION 16 - OTHER INFORMATION

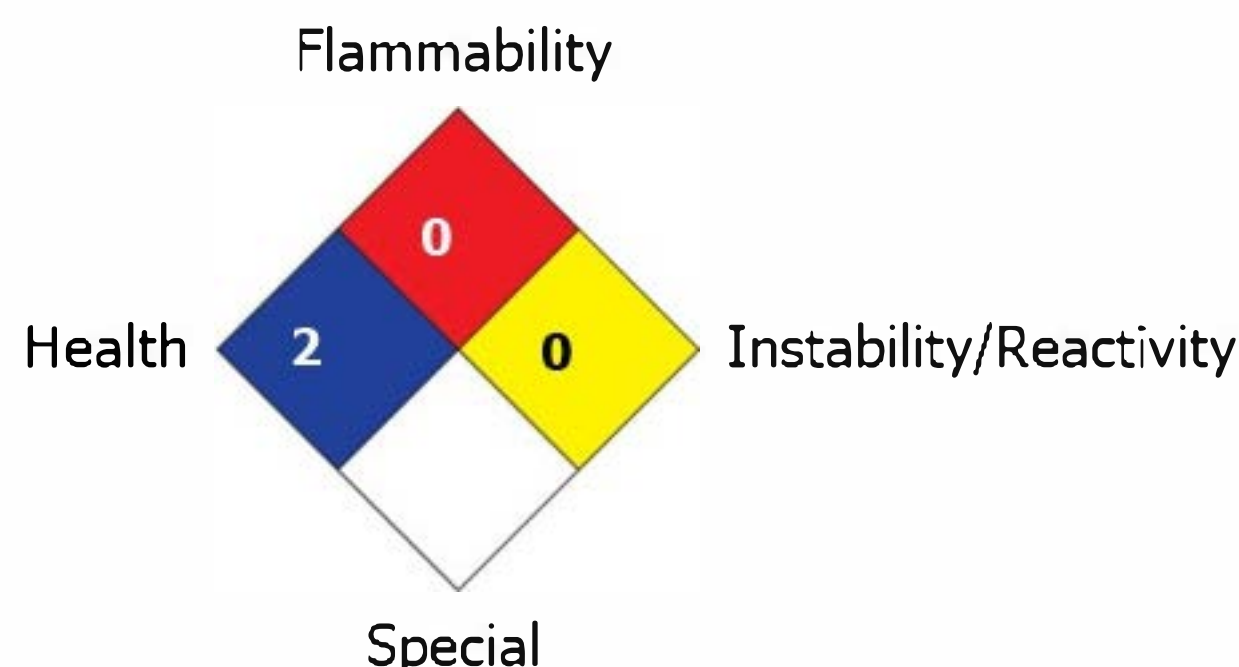
### HAZARDOUS MATERIAL INFORMATION SYSTEM (U.S.A.)

<b>Health Hazard</b>	<b>2</b>
<b>Fire Hazard</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>C</b>

Caution: HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks and 4 representing significant hazards or risks.

- A Safety Glasses
- B Safety Glasses, Gloves
- C Safety Glasses, Gloves, Apron
- D Face Shield, Gloves, Apron
- E Safety Glasses, Gloves, Dust Respirator
- F Safety Glasses, Gloves, Apron, Dust Respirator
- G Safety Glasses, Gloves, Vapor Respirator
- H Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
- I Safety Glasses, Gloves, Dust & Vapor Respirator
- J Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
- K Airline Hood or Mask, Gloves, Full Suit, Boots
- X Consult your supervisor for special handling directions

### NATIONAL FIRE PROTECTION ASSOCIATION (U.S.A.)



NFPA warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health, and reactivity hazards of chemicals.

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