

AL 400 (Rev. 08/08/2023)

SDS Number: AC150B

Revision Date: 8/8/2023

Page 1 of 8

1

## PRODUCT AND COMPANY IDENTIFICATION

### Manufacturer

Wechem, Inc  
5734 Susitna Dr  
Harahan, LA 70123

**Contact:** Ligia M. Hernandez  
**Phone:** 504-733-1152  
**Fax:** 504-733-2218  
**Web:** www.wechem.com

**Product Identifier:** AL 400 (Rev. 08/08/2023)  
**SDS Number:** AC150B  
**Product Code:** AC150  
**Revision Date:** 8/8/2023  
**Product Use:** Acid Replacement Aluminum Brightener and Cleaner  
**Instructions:** Do not use with chlorates, nitrates, hypochlorites or alkaline materials. Do not mix directly with dehydrating agents such as acetic anhydride or concentrated sulfuric acid.

Emergency Telephone Number:  
INFOTRAC  
1-800-535-5053

2

## HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

#### GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Corrosive to Metals, 1  
Health, Acute toxicity, 4 Oral  
Health, Skin corrosion/irritation, 2  
Health, Serious Eye Damage/Eye Irritation, 2 A  
Health, Reproductive toxicity, 1 B

### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word:** DANGER

**GHS Hazard Pictograms:**



#### GHS Hazard Statements:

H290 - May be corrosive to metals  
H302 - Harmful if swallowed  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H360 - May damage fertility or the unborn child (route of exposure: oral)

#### GHS Precautionary Statements:

P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P234 - Keep only in original container.  
P260 - Do not breathe mist/vapors/spray.  
P262 - Do not get in eyes, on skin, or on clothing.  
P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.

**AL 400 (Rev. 08/08/2023)**

SDS Number: AC150B

Revision Date: 8/8/2023

Page 2 of 8

- P271 - Use in a well-ventilated area.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P281 - Use personal protective equipment as required.
- P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P301+330+331 - IF SWALLOWED: Rinse mouth.
- P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P308 + P313 - IF exposed or concerned: Get medical advice/ attention.
- P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.
- P337 + P313 - If eye irritation persists: Get medical advice/attention.
- P405 - Store locked up.
- P406 - Store in a corrosion resistant container.
- P501 - Dispose of contents/container in accordance to local/regional/national/international regulations.

### Hazards not Otherwise Classified (HNOC) or not Covered by GHS

- Route of Entry:** Eye, skin, inhalation, ingestion
- Target Organs:** NA
- Inhalation:** Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin Contact:** May cause mild skin irritation.
- Eye Contact:** Causes serious eye irritation.
- Ingestion:** Harmful if swallowed. Irritating to mouth, throat and stomach. May damage fertility or the unborn child.

<b>3</b>	<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>
----------	---

Chemical Ingredients:		
CAS#	%	Chemical Name:
*****		Organic Acid Salt
*****		Surfactant

The chemical identity and exact percentage of the composition has been withheld as it is a trade secret.

<b>4</b>	<b>FIRST AID MEASURES</b>
----------	---------------------------

- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin Contact:** Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
- Ingestion:** Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Notes to Physician:** In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

AL 400 (Rev. 08/08/2023)

SDS Number: AC150B

Revision Date: 8/8/2023

Page 3 of 8

**Specific Treatments:** No specific treatment**Protection of First Aiders:** No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

5

**FIRE FIGHTING MEASURES****Flash Point:** > 200 F (>93.3 C)**Flash Point Method:** Estimated- based on formulation ingredients.

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known

Specific Hazards Arising from the chemical : Heating above 110°C (230° F) results in an exothermic decomposition with release of CO<sub>2</sub> gas and potentially hydrofluoric acid.

Hazardous thermal decomposition products : Decomposition products may include the following materials:

carbon dioxide  
carbon monoxide  
nitrogen oxides  
hydrofluoric acid  
metalloid fluorides  
hydrogen cyanide  
hydrogen gas

Special protective actions for fire-fighters : No special measures are required.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6

**ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment and Emergency Procedures:****For non-emergency Personnel :** No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.**For emergency responders:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non- emergency personnel".**Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).**Methods and Materials for Containment and Cleaning Up:****Spill:** Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. **Personal Precautions, Protective Equipment and Emergency Procedures**

7

**HANDLING AND STORAGE****Handling Precautions:** Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with

eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on General occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

**Storage Requirements:**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8

**EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:**

Appropriate Engineering Controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental Exposure Controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

**Personal Protective Equipment:**

Eye/Face Protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin Protection:

Hand Protection:

Chemical-resistant, impervious gloves, such as Latex or Nitrile, complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body 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.

Other Skin Protection:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection:

Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Occupational Exposure Limits : None**

**Hygiene Measures:**

**Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.**

9

**PHYSICAL AND CHEMICAL PROPERTIES**

AL 400 (Rev. 08/08/2023)

SDS Number: AC150B

Revision Date: 8/8/2023

Page 5 of 8

<b>Appearance:</b>	Clear, colorless to yellow	<b>Odor:</b>	Mild Acrid Odor
<b>Physical State:</b>	Liquid	<b>Solubility:</b>	Completely in Water
<b>Spec Grav./Density:</b>	1.04 +/- 0.1	<b>Percent Volatile:</b>	Not available
<b>Boiling Point:</b>	212 Deg F -Estimated	<b>Freezing/Melting Pt.:</b>	Not available
<b>Vapor Pressure:</b>	Not determined	<b>Flash Point:</b>	> 200 F (>93.3 C) Estimated
<b>pH:</b>	1.5 +/- 1	<b>VOC:</b>	Not available
<b>Evap. Rate:</b>	Not determined		

10

## STABILITY AND REACTIVITY

<b>Reactivity:</b>	No specific test data related to reactivity available for this product or its ingredients
<b>Chemical Stability:</b>	This product is stable up to 110°C (230°F)
<b>Conditions to Avoid:</b>	Do not heat above 110°C as this will result in an exothermic decomposition with rapid release of CO2 gas and potentially hydrofluoric acid.
<b>Materials to Avoid:</b>	Reactive or incompatible with the following materials: oxidizing materials, aluminum and zinc. This material may be extremely hazardous in contact with chlorates and nitrates. Contact with hypochlorites (eg. Chlorine bleach, sulfides or cyanides) will liberate toxic gases. Contact with alkaline materials (eg. Aqua ammonia) will generate heat and may product noxious gas. Do not mix directly with dehydrating agents such as acetic anhydride or concentrated sulfuric acid. High concentrations of this product will react vigorously with carbonate scales which may carry vapor and so care must be taken to avoid inhalation.
<b>Hazardous Decomposition:</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced
<b>Hazardous Polymerization:</b>	Under normal conditions of storage and use, hazardous reactions will not occur.

11

## TOXICOLOGICAL INFORMATION

Acute Toxicity

Components:

Organic Acid Salt (CAS # Trade Secret) and Proprietary Ingredient 2 (CAS# Trade Secret) Mixture

Oral LD50 678.3 mg/kg (Rat)

Dermal LD50 2109.4 mg/kg (Rat)

### Irritation/Corrosion

Not a skin irritant (OECD 404)

### Sensitization

There is no data available

### Carcinogenicity

No components are listed as carcinogens by IARC, ACGIH, OSHA or NTP above the threshold of 0.1%

### Specific Target Organ Toxicity (single exposure)

There is no data available

### Specific Target Organ Toxicity (repeated exposure)

There is no data available

### Aspiration Hazard

There is no data available

**Information on the likely routes of exposure:** Dermal contact. Eye contact. Inhalation. Ingestion.

### Potential Acute Health Effects

**Eye contact:** Causes serious eye irritation

**Inhalation:** Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Skin Contact:** May cause mild skin irritation.

**Ingestion:** Harmful if swallowed. Irritating to mouth, throat and stomach.  
May damage fertility or the unborn child.

AL 400 (Rev. 08/08/2023)

SDS Number: AC150B

Revision Date: 8/8/2023

Page 6 of 8

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye Contact:** Adverse symptoms may include the following:

Pain or irritation

Watering

Redness

**Inhalation:** No known significant effects or critical hazards.

**Skin Contact:** Adverse symptoms may include the following: irritation  
redness

**Ingestion:** Harmful if swallowed. Irritating to mouth, throat and stomach  
May damage fertility or the unborn child.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects:** No known significant effects or critical hazards.

**Potential delayed effects:** No known significant effects or critical hazards.

#### Long term exposure

**Potential immediate effects:** No known significant effects or critical hazards.

**Potential delayed effects:** No known significant effects or critical hazards.

#### Potential chronic health effects

**General:** No known significant effects or critical hazards.

**Carcinogenicity:** No known significant effects or critical hazards.

**Mutagenicity:** No known significant effects or critical hazards.

**Teratogenicity:** No known significant effects or critical hazards.

**Developmental effects:** No known significant effects or critical hazards.

**Fertility effects:** No known significant effects or critical hazards.

#### Numerical measures of toxicity

**Acute toxicity estimates** There is no data available.

Surfactant (CAS # Trade Secret):

Oral- LD50 >2000 mg/kg (Rat)

LD50 2,410 mg/kg (Mouse)

Dermal LD50 >2000 mg/kg (Rabbit)

Skin Sensitization- Non-skin sensitizing (Rabbit)

12

## ECOLOGICAL INFORMATION

Toxicity

Components:

Organic Acid Salt (CAS # Trade Secret) and Proprietary Ingredient 2 (CAS # Trade Secret) Mixture

LC50 176.8 mg/kg, 48 hour, (Daphnia Magna)

IC50 >10000 mg/L, 15 min., (Vibrio fischeri)

LC50 353.6 mg/L, 96hour, (Rainbow Trout)

**Persistence and Degradability:** Biodegradable based on components

**Bioaccumulative Potential:** There is no data available

#### Mobility in Soil

**Soil/water partition coefficient:** Not available

(Koc)



AL 400 (Rev. 08/08/2023)

SDS Number: AC150B

Revision Date: 8/8/2023

Page 7 of 8

**Other adverse effects:** No known significant effects or critical hazards.

Surfactant (CAS # Trade Secret):

Acute Aquatic Toxicity:

Algae IC50 10-100 mg/L

Invertebrate EC50 10-100 mg/L

Fish LC50 >100 mg/L

Biodegradation:

% degraded in 28 days: >60% ThOD/ThCO<sub>2</sub> (>70% DOC)

10 -day window:

Meets 10-day window

Other Components not listed (CAS # NA)

Fish LC50 >100 mg/l, 96h, (Brachydanio rerio)

Aquatic Invertebrates EC50 >100 mg/l, 48h

Microorganisms DIN 38412 Part 8 EC10 10 mg/l. 16h

Degradability/Persistence

Biological / Abiological Degradation

Test method: OECD 301C; IS) 9408; 92/69/EEC, C.4-F

Method of Analysis: DOC reduction

Degree of Elimination: >90%

Test method: OECD 301 A (new version)

Method of Analysis: DOC reduction

Degree of Elimination: 90-100% (14 d)

Test method: OECD 301F; ISO 9408; 92/69/EEC, C.4-D

Method of Analysis: BOD of COD

Degree of Elimination 89%

Readily biodegradable. Based on OECD criteria this component is readily biodegradable

Because of the n-octanol/water distribution coefficient (log Pow) accumulation of this component in organisms is not to be expected.

**Persistence and Degradability:** Biodegradable based on components

**Bioaccumulative Potential:** There is no data available

**Mobility in Soil Soil/water partition coefficient (K<sub>oc</sub>) :** Not available

**Other adverse effects:** No known significant

13

## DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

AL 400 (Rev. 08/08/2023)

SDS Number: AC150B

Revision Date: 8/8/2023

Page 8 of 8

14

## TRANSPORT INFORMATION

DOT

UN Number Not Regulated

UN Proper Shipping Name ---

Transport Hazard Class(es) ---

Packing Group ---

Environmental Hazards No

Additional Information Exemption under DOT49CFR 173.154 (d). This material is corrosive to aluminum only. Not corrosive to mild steel and skin.

15

## REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

-----  
[--%] Proprietary (\*\*\*\*\*) TSCA

[--%] Proprietary (\*\*\*\*\*) TSCA

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

-----  
TSCA = Toxic Substances Control Act

NOT FOR SALE IN THE STATE OF CALIFORNIA

16

## OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

N/A = Not available N/D = Not determined

Revision Date: 8/8/2023