



Safety Data Sheet

Acc.to SOR/2020-2022 and OSHA 29 CFR Parts 1910, 1915, 1926

Aquakem AD-20

Section I - Identification

- **Trade Name** **Aquakem AD-20**
- **Uses :** Industrial Degreaser
- **Restriction on use :** All other uses than those indicated on the product label and technical data sheet

- **Manufacturer :** **ERE Inc**
8605 Champ D'eau
Montréal, Québec, H1P 3B8
Tel : (514) 326-8852
Fax : (514) 326-8961
www.ereinc.com

- **Emergency telephone number :** CANUTEC :1-613-996-6666

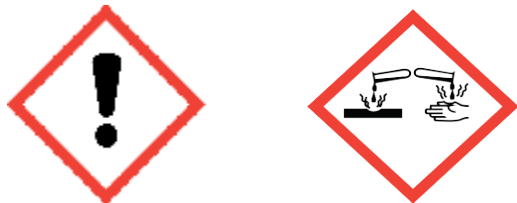
Section II – Hazard identification

- CLASSIFICATION OF THE PRODUCT :



Eye Irritant. 2A H319 CAUSES SERIOUS EYE IRRITATION

- **Label elements**
- **Hazard pictograms:**



- **Signal word:** Warning, Corrosive
- **Hazard-determining components of labeling:**
 - Sodium borate
 - Caprylyle glucoside
 - Methyl glycine diacetic acid
 - Lauramine oxide
 - Dimethyl Lauramide
 - d-Limonene
 - Ethylene Glycol Monomethyl Ether
 - Triethanolamine
- **Hazard statements:**

H315 MAY CAUSE SKIN IRRITATION

H319 MAY CAUSE SERIOUS EYES IRRITATION

H335 MAY CAUSE RESPIRATORY IRRITATION

R36 IRRITATING TO EYES

R38 IRRITATING TO SKIN

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- **Precautionary statements**

P264: Wash thoroughly after handling

P280: Wear protective gloves, protective clothing, eye protection, face protection

P310: In case of ingestion, call immediately a poison center or a physician

P338: In case of contact with eyes, remove contact lenses, if present and easy to do before rinsing

P420: Store away from incompatible materials.

Disposal: Dispose of contents and container in accordance with local, regional and local regulations.

Additional information: Not applicable

Classification System:

- NFPA data (Range 4)
Health: 2
Flammability: 0
Reactivity: 0
- Other Unclassified Hazards: Unknown
- Notes: The definition of the abbreviation classification is given in Section 16

Section III - Composition and information on Ingredients

Ingredients	Conc (%)	CAS
Sodium Borate	1-5	1303-96-4
Caprylyl Glucoside	5-10	68515-73-1
Methylglycine diacetic acid	1-5	164462-16-2
Triethanolamine	1-5	102-71-6
Lauramine Oxide	2-10	1643-20-5
Ethylene glycol Monobutyl Ether	5-10	111-76-2
d-Limonene	5-10	5989-27-5
Dimethyl Lauramide	5-10	68603-42-9

- Additional indications:
Any concentration range is due to confidential business information protection or batch variability

Section IV- First Aid Measures

- **Inhalation:**
If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call physician if symptoms develop or persist.
- **Eye contact:**
Immediately flush eyes with plenty water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if necessary.
- **Skin contact:**
Remove contaminated clothing. Rinse with water. If irritation occurs, get medical attention
- **Ingestion:** If symptoms persist, consult a doctor.
- **Information for doctor:** There is no specific antidote. Care should be based on patient reactions

Section V- Fire Fighting Measures

- **Suitable extinguishing media**

Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray.
Adapt the fire extinguishing measures to the environment

Advice for firefighters:

- **Special protective equipment and precautions for fire-fighters :**

Wear compressed air respirator, MSHA / NIOSH (Approved or equivalent)

- **Specific Hazards:**

In case of violent fire, formation of toxic gases

- **Additional information :** No information available

Section VI – Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:**

Wear respiratory protection

Wear recommended protective equipment. Keep unprotected persons away.

Put on protective gloves.

- **Environmental precautions:**

Inform respective authorities in case of seepage into watercourse or sewage system

Do not allow to enter into drains or soil.

- **Reference to other headings:**

In order to obtain information for safe handling see chapter 7

For information on personal protective equipment, refer to section 8

For information on disposal, see section 13

- **Methods and material for containment and cleaning up :**

Surround and absorb with liquid-binding material (sand, diatomite, universal binders, and sawdust)

Section VII – Handling and Storage

- **Handling :**

Ensure good ventilation of the workstation

P270 Do not eat, drink or smoke while handling the product.

- **Prevention of fires and explosion:**

Keep respiratory equipment ready

- **Condition for safe storage, including any incompatibilities :**
Keep areas clean and well ventilated, and avoid materials incompatible with containers.
- **Information about storage in one common storage facility :**
Do not store with corrosive materials
- **Condition for safe storage , including incompatibilities :**

P234 Keep in the original receptacle tightly sealed.
Locking and prohibiting access to children
Do not store in aluminum or galvanized containers or use metal pressure packaging
- **Specific end uses :**
No further relevant information available

Section VIII – Exposure controls/personal protection

- **Appropriate engineering control :**
Ensure appropriate aeration and ventilation

Control parameter :
- **Components with limit values that required monitoring at the workplace :**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information :**
The lists that were valid during the creation were used as basis

Exposure controls :
- **Personal protective equipment :**
Tightly sealed goggles
- **General protective and hygienic measures :**
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work
Keep away from foodstuffs, beverages and feed
- **Breathing equipment :**
Appropriate respiratory equipment
- **Eye protection :**
Tightly sealed goggles
- **Protection of hands :**
Put gloves
- **Body protection :**
Not required

Section IX- Physical and chemical properties

- **Appearance :** Liquid
- **Form;** Liquid
- **Colour :** Yellowish
- **Odour :** Citrus scent
- **pH value :** 8.5-10.5
- **Melting point :** $\leq 4^{\circ}\text{C}$
- **Boiling point :** $\geq 100^{\circ}\text{C}$
- **Flash point :** $\geq 100^{\circ}\text{C}$
- **Flammability :** Not flammable
- **Ignition temperature :** Not applicable
- **Decomposition temperature :** Not Determinated
- **Auto ignition :** Not applicable
- **Danger of explosion :** Not determinated
- **Explosion limits :** Not applicable
- **Vapor pressure at 20°C :** Not Determinated
- **Density :** 1.0-1.03
- **Solubility in water :** 100% Soluble
- **Partition coefficient :** Not determinated
- **Viscosity at 25°C :** 30- 50cps
- **Solvents content :** Yes

Section X- Stability and Reactivity

- **Reactivity:** Not determined
- **Thermal decomposition / condition to avoid :** No decomposition if used according to specifications
- **Possibility of hazardous reactions :** No dangerous reactions known
- **Conditions to avoid :** Avoid freezing and extreme heat conditions
- **Incompatible materials :** This product may react with strong oxidizing agents
- **Hazardous decomposition :**

In case of decomposition: Water, Carbone monoxide and dioxide, Azote oxides will form

Section XI- Toxicological Information

- **Information on the likely routes of exposure:**
Skin and eye contact, ingestion, inhalation

- **Acute toxicity**

Numerical mesures of toxicity

Components	LD50 oral rat	EC 50 fish
Sodium Borate	≥4500mg/kg	≥178mg/l , 72heures
Methylglycine diacetic acid	≥4000mg/kg	≥200mg/l, 96heures
Lauramine Oxide	≥1065mg/kg	≥2.67mg/l , 96heure
Dimethyl Lauramide	≥2000mg/kg	ND
Caprylyl Glucoside	≥2000mg/kg	≥100mg/l, 96heures
Ethylene Glycol Monobutyl Ether	≥2000mg/kg	0.63mg/l, 1heure
d-Limonene	4400mg/kg	NA
Triethanolamine	4190mg/kg	≥1000mg/l , 96 heures

Symptoms related to physical, chemical and toxicological characteristics

- **If on the skin :** May cause irritation by prolonged contact with skin
- **If on eye :** May cause severe irritation
- **After ingestion:** May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
- **Sensitization :** No sensitization effects known
- **Delayed and immediate effects, and chronic effects from short-term and long-term exposure :** Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing
- **Additional toxicological information :** No additional information
- **Carcinogenic categories :** No information available

IARC(International Agency for Research on Cancer)

None of the ingredients is listed

NTP (National Toxicological Program)

None of the ingredients is listed

Section XII- Ecological Information

- **Persistence and Degradability :**
The surfactants and organic compounds contained in this product are readily biodegradable according to the OECD 301 guideline
- **Bioaccumulative potentiel :**
Does not accumulate in organisms
- **Mobility in soil :**
Not Determined
- **Ecotoxicity :**
May cause harmful effects to aquatic life
- **Remark :** No further relevant information available

Section XIII- Disposal considerations

- **Waste treatment methods :**
Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers. Small amounts may be dilute with plenty of water and washed away. Dispose of bigger amounts in accordance with local authority requirements.
Dispose in accordance with all applicable federal state, provincial and local laws and regulations. Contact your local state, provincial or federal environmental agency for specific rules.
- Recommendation :**
- **Uncleaned packaging :**
Do not re-use empty containers
Dispose of packaging according to regulations on the disposal of packaging.
 - **Recommended cleansing agent :**
Water, foaming water, CO2
Refer to section 7: Handling and storage section 8: Exposure Controls/Personal Protection for additional handling information and protection of employees.

Section XIV- Transport Information

- **DOT, ADN, IMDG, IATA :** Not regulated
- **UN proper shipping name :**
Transport hazard classes : Not regulated
- **Packaging group, DOT :** Not regulated
- **Environmental Hazards :** Environmentally hazardous substance, liquid (Glyco M. Ether) :
Marine pollutant

Section XV- Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Canadian substance listings

- **Canadian Domestic Substances List (DSL)** : Not all the ingredients are listed

Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients listed

Canadian Ingredients Disclosure list (limit 1%)
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None of the ingredients listed

Section XVI- Autres Informations

Date of revision : December 2020

This information is based on our knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all federal, State, Provincial and Local laws regulations.

Abbreviations and acronyms :

- **ADR** : Accord européen sur le transport des marchandises dangereuses par route (European agreement concerning the international carriage of dangerous goods by road)
- **IMDG** : International maritime code for dangerous goods
- **DOT** : US Department of Transportation
- **IATA** : International Air Transport Association
- **EINECS** :European Inventory of Existing Commercial Chemical Substances
- **ELINCS** : European List of Notified Chemical Substances
- **CAS** : Chemical Abstracts Service
- **NFPA** : National Fire Protection Association (USA)
- **LC50** : Lethal concentration, 50 percent
- **LD50** : Lethal dose, 50 percent
- **Eye Irrit. 2A** : serious eye damage/eye irritation, Hazard Category 2A