

1- IDENTIFICATION

Product name: **CAUSTO**
Description: High performance liquid cleaner
Restriction on use: industrial use only
Concentrated to dilute

Supplier/Manufacturer: PARALL LTÉE
2970 Bergman, Laval, QC, H7L 3P4
tel: 450-687-6666 1 800-661-6660 fax: 450-687-7646

In case of emergency: CANUTEC (24 hours) (613) 996-6666 (collect)

2- HAZARDS IDENTIFICATION

Product classification:

Severe eye irritation / skin irritation
Corrosive for some metals.

GHS pictogram:**Hazard statement:**

WARNING

Serious eye damage / eye irritation
May cause skin irritation.
Avoid inhaling mist if sprayed.
Corrosive liquid for metals. Avoid using on metals such as: Aluminum, bronze, brass, copper, zinc.

Individual protection:

Visor or splash goggles.
Rubber or neoprene gloves.
Use a rubber apron or other protection depending on the nature of the work to be performed.

3- COMPOSITION/INFORMATION ON INGREDIENTS

MIX

<u>Name</u>	<u>CAS Number</u>	<u>% weight</u>
Potassium hydroxyde	1310-58-3	3-7
Fat Ethoxylates alcools	68131-39-5	1-5

4- FIRST AID MEASURES

Eye contact:	Risk of severe irritation varying exposure conditions. Quickly rinse the eyes using a large amount of water for at least 15 minutes. See a doctor immediately.
Skin contact:	Remove contaminated clothing quickly using gloves. Rinse skin with water and soap for several minutes or until the chemical is removed. Seek medical attention if redness persists
Inhalation:	Vapor or mist, bring the person to a cool, ventilated place and place in a semi-seated position. If breathing difficulties persist, consult medical service.
Ingestion:	Rinse mouth with water. Have a glass of water. Do not induce vomiting and seek medical attention immediately.

5- FIRE-FIGHTING MEASURES

Flamability of the product:	Not flammable in normal use conditions.
Extinguishing media:	Use any extinguishing media appropriate to surrounding.
Protection for fire-fighting:	Wear self-contained breathing apparatus with full face masks and special protective clothing.
Hazardous Combustion Products:	No information available.

6- ACCIDENTAL RELEASE MEASURES

Personal protection:	Respiratory protection with full face mask. Rubber gloves with long sleeve. Rubber boots. Tight tracksuits
Environnemental precautions:	Prevent from entering sewers, waterways or low areas.
Methods for cleaning:	Small and large spills: Ventilate area. Absorb with neutral absorbent material. Dispose of contaminated absorbent, refer to section 13 for waste disposal. Cleaning by rinsing with water.
Other information:	None

7- HANDLING AND STORAGE

Handling:	To be dilute prior use. Handle away from incompatible materials. Avoid contact with skin, eyes. Avoid operations that produce fog. In case of insufficient ventilation, appropriate respiratory equipment. Avoid wearing contact lenses when handling the product.
Note:	The information contained in this document relates to the concentrated product as sold. In dilution of recommended use, the risks inherent to this product are strongly reduced. Prevention measures can be adapted according to the judgment of the employer according to the experience and / or level of expertise of the workers.
Incompatibility with:	Potassium hydroxide reacts violently with water, giving off heat that can cause splashing. It reacts violently with some organic and inorganic compounds such as strong acids, aromatic nitro compounds (eg nitrobenzene), peroxides, etc.
Storage:	Keep the closed container in a cool dry place between 5 ° C and 35 ° C. Avoid freezing.

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures: Eyewash and emergency showers near the working place.

Exposition values:

<u>Name</u>	<u>TLV</u>
Potassium hydroxyde	2 mg/m3
Fat Ethoxylates alcools	not available

Personal protection

Respiratory:	Avoid breathing mist. None generally. In case of insufficient ventilation, wear suitable respiratory equipment.
Eye:	Visor or splash safety goggles.
Hands:	Rubber or neoprene gloves
Clothing:	Use rubber apron or other protection depending on the nature of the job.
General:	Do not wear contact lenses when handling the product.

9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pink-red liquid
Odour:	Odorless
Odor threshold:	not available
pH:	14
Freezing point / melting point:	not available
Boiling point:	not available
Flash point:	not available
Evaporating rate:	not available (ether=1)
Flammability:	not flammable
Flammable limits	not available
Vapor pressure:	not available (mm Hg)
Vapor density:	not available (air=1)
Specific gravity:	1.084 (water=1)
Solubility in water:	Miscible in cold water and hot water.
N-octanol / water partition coefficient:	not available
Auto ignition temperature:	not available
Decomposition temperature:	not available
Viscosity:	not available

10- STABILITY AND REACTIVITY

Chemical stability:	Product is stable
Hazardous reactions:	Refer to Section 7 incompatible materials
Decomposition products:	No dangerous polymerization predictable.
Incompatibility with:	Refer to Section 7 incompatible materials
Corrosion to metals:	Corrosive to metals such as: aluminum, brass, copper, bronze

11- TOXICOLOGICAL INFORMATION

Datas: There are no data for the product, only for the ingredients

<u>Name</u>	<u>DL₅₀</u> (rat, oral)	<u>CL₅₀</u> (rat, 4h)
Potassium hydroxyde	48.8 g/kg	not available
Fat Ethoxylates alcohols	2000 mg/kg	not available

Chronic health effects

Carcinogenic effects: No data

Teratogenic effects: No data

Reproductive effects: No data

Synergistic product: No data

12- ECOLOGICAL INFORMATION

Ecotoxicity: (fish, aquatic invertebrates, aquatic plants, microorganisms): any existing data

Biodegradability: No data

Other adverse effects: No data

13- DISPOSAL CONSIDERATIONS

Waste disposal: Disposal of this product must comply with the provisions of the legislation. Consult local, provincial or federal. Dispose of empty containers in the same way. Do not reuse empty containers . The empty rinsed container can be recycled.(see also section 7)

14- TRANSPORT INFORMATION

TDG classification: UN1760, CORROSIVE LIQUID, N.S.A. (Potassium hydroxyde), Class 8, PG II

Additional information: Limited quantity 1L

15- REGULATORY INFORMATION

WHMIS 1988 (Canada): E Corrosive substances (Corrosion / irritation, eye injury)

16-OTHER INFORMATION

Date of issue: 2018-06-05 Prepared by Parall Ltée

References:

1. Manufacturer Datasheet
2. CNESST, Toxicological Directory, Products
3. RPD-SOR-2015-17
4. Technical Guidance on the Requirements of the Hazardous Products Act and the Hazardous Products Regulations - WHMIS 2015 Supplier Requirements

Notice to reader

The best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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