

# Safety Data Sheet

## GRIDDLE & FRYER CLEANER

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	GRILL-X
<b>Other Identification</b>	18163
<b>Recommended Use</b>	Griddle, plate and fryer degreaser.
<b>Restrictions on Use</b>	All other uses than those indicated on the product label and technical data sheet.
<b>Supplier</b>	Mayrand Plus, 9701 Boul. Louis-H.Lafontaine, Anjou (Qc) H1J 2A3, Tel.: (450) 255-9330
<b>Emergency Phone No.</b>	Quebec Poison Control Centre (24 hours service), Quebec, (800) 463-5060 (no charge) All other places, (418) 656-8090, CANUTEC, (613) 996-6666 (collect)

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Corrosive to metals - Category 1; Acute toxicity (Oral) - Category 4; Skin corrosion - Category 1; Serious eye damage - Category 1; Health Hazard Not Otherwise Classified (HHNOC) - Category 1

#### Label Elements



Signal Word:  
Danger

#### Hazard Statement(s):

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H302	Harmful if swallowed.

#### Precautionary Statement(s):

P234	Keep only in original packaging.
P260	Do not breathe dusts or mists.
P390	Absorb spillage to prevent material damage.
P406	Store in corrosive resistant container with a resistant inner liner.
P264	Wash hands and skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].	

Product Identifier: Nett à plaque - Ver. 1  
Date of Preparation: mars 13, 2018  
Date of Last Revision:

SDS No.: 0048

Page 01 of 06

P363 Wash contaminated clothing before reuse.  
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P310 Immediately call a POISON CENTRE or doctor.  
 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 CENTRE or doctor.  
 P270 Do not eat, drink or smoke when using this product.  
 P301 + P312 IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.  
 P330 Rinse mouth.  
 P331 Do NOT induce vomiting.  
 P405 Store locked up.  
 P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

**Other Hazards**

Not applicable.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Sodium hydroxide	1310-73-2	7-13	Information not available	Hydroxyde de sodium

**Notes**

Concentrations are expressed in % weight/weight.

**SECTION 4. FIRST-AID MEASURES**

**First-aid Measures**

**Inhalation**

Remove source of exposure or move to fresh air. If experiencing respiratory symptoms (e.g. coughing, shortness of breath, wheezing), call a Poison Centre or doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor.

**Skin Contact**

Avoid direct contact. Wear chemical protective clothing if necessary. Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. If skin irritation or a rash occurs, get medical advice or attention.

**Eye Contact**

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Immediately call a Poison Centre or doctor.

**Ingestion**

Rinse mouth with water. Immediately call a Poison Centre or doctor. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.

**Most Important Symptoms and Effects, Acute and Delayed**

Irritation and corrosion: skin (irritation after a few minutes, severe burns, deep ulceration), eyes (disintegration and escharification of the conjunctiva and cornea, edema, ulceration, possibility of permanent opacification of the cornea) ; ingestion: gastrointestinal corrosion, severe pain, bloody vomiting with mucous membrane fragments, diarrhea, laryngeal inflammation (possible choking), possibility of esophageal and gastric perforation, collapse and death; aerosol exposure: skin (multiple small burns with temporary loss of hair), respiratory tract (irritation and possible ulceration of the nasal passages and pulmonary edema).

**SECTION 5. FIRE-FIGHTING MEASURES**

**Extinguishing Media**

Product Identifier: Nett. plaque - Ver. 1  
 Date of Preparation: mars 13, 2018  
 Date of Last Revision:

SDS No.: 0048

Page 02 of 06

### Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

### Unsuitable Extinguishing Media

With water, it can generate enough heat to ignite combustible materials. Do not use water jets, this would result in spreading the product and expanding the hazardous area.

### Specific Hazards Arising from the Product

In the presence of fire, promptly isolate the scene by removing all persons located near the scene of the accident. Take no action involving any personal risk or without suitable training.

### Special Protective Equipment and Precautions for Fire-fighters

It is imperative that firefighters wear protective equipment and a suitable respirator equipped with a mask full-face positive pressure.

Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Remove or isolate incompatible materials as well as other hazardous materials. Take no action involving any personal risk or without suitable training. Do not touch or walk through spilled material.

### 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

Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Flush spill area. Get expert advice before treating the spilled product with other chemicals to make it less hazardous.

### Other Information

Report spills to local health, safety and environmental authorities, as required.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid operations that produce a cloud of dust. Never pour water into this product, for dilution slowly add the product to water with constant stirring. Handle away from incompatible materials. Avoid contact with skin. Wear eye protection and, in case of insufficient ventilation, appropriate respiratory protection. Workers handling or transferring corrosive substances should wear appropriate personal protective equipment. This product is corrosive: if handled or transferred regularly or frequently, eyewash stations or emergency showers must be provided to workers and located in the vicinity of the workstation. Avoid contact lenses when handling the product.

### Conditions for Safe Storage

Store in an airtight container in a dry, well ventilated place with corrosion resistant cemented floor. Refer to SRST and NFC Standards for Storage. Keep away from combustible materials and acids. If the product is stored with other hazardous substances, refer to the NFC segregation table. Containers of corrosive substances must be kept closed, clearly marked with their contents, and handled with care. Additional information: This product attacks certain types of plastic, rubber or coating.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA

Product Identifier: Nett. plaque - Ver. 1

SDS No.: 0048

Date of Preparation: mars 13, 2018

Date of Last Revision:

Page 03 of 06

Sodium hydroxide	Not established	2 mg/m3	2 mg/m3	Not established	Not established	Not established
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ACGIH TLV 2012  
 OSHA PEL 2012  
 AIHA WEEL 2011.

### Appropriate Engineering Controls

The purpose of the Health and Safety Act is to eliminate hazards at the source. Where engineering controls and changes in working procedures are not sufficient to reduce exposure to this substance, the use of personal protective equipment may be necessary. These protective equipment must comply with the regulations.

### Individual Protection Measures

#### Eye/Face Protection

Wear eye protection if splashing is likely. The selection of an eye protector depends on the nature of the work to be performed and, if applicable, on the type of respirator used.

#### Skin Protection

Wear skin protective equipment. The selection of such equipment depends on the nature of the work to be performed.

#### Respiratory Protection

Wear appropriate respirator when ventilation is inadequate.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	Colourless liquid.
<b>Odour</b>	Specific to the ingredients
<b>Odour Threshold</b>	Not available
<b>pH</b>	> 13.0
<b>Melting Point/Freezing Point</b>	Not available (melting); Not available (freezing)
<b>Initial Boiling Point/Range</b>	Not available
<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper/Lower Flammability or Explosive Limit</b>	Not applicable (upper); Not applicable (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	1.1 - 1.2
<b>Solubility</b>	Very soluble in water
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic); Not available (dynamic)

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Under normal conditions of storage and use, hazardous reactions will not occur.

### Chemical Stability

Normally stable. However, it absorbs carbon dioxide and moisture from the air.

### Possibility of Hazardous Reactions

Product Identifier: Nett. plaque - Ver. 1  
 Date of Preparation: mars 13, 2018  
 Date of Last Revision:

SDS No.: 0048

Page 04 of 06

None expected under normal conditions of storage and use.

#### Conditions to Avoid

Keep away from freezing and excessive heat.

#### Incompatible Materials

Sodium hydroxide reacts with water, generating strong heat. Reactive or incompatible with strong acids, reactive metals (zinc, aluminum or tin).

#### Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11. TOXICOLOGICAL INFORMATION

This product is irritating and corrosive to the skin, eyes, respiratory tract and digestive tract. The severity of the symptoms may vary depending on the exposure conditions (duration of contact, concentration of the product, etc.).

#### Likely Routes of Exposure

Skin contact.

#### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium hydroxide		> 140 mg/kg (rat)	1350 mg/kg (rabbit)

LD 50 Oral ATEmix : category 4

LD50 Dermal ATEmix : without category

#### Skin Corrosion/Irritation

Human experience shows skin corrosion.

#### Serious Eye Damage/Irritation

Contact causes severe burns with redness, swelling, pain and blurred vision. Permanent damage including blindness can result.

#### STOT (Specific Target Organ Toxicity) - Single Exposure

##### Inhalation

May cause irritation to the respiratory tract. The inhalation of droplets suspended in the air or aerosols may cause irritation of the respiratory tract.

##### Skin Absorption

This product is not absorbed into the body, it exerts a local action that destroys the tissues.

##### Ingestion

May cause burns to mouth, throat and stomach.

#### Respiratory and/or Skin Sensitization

Not a respiratory sensitizer. Not a skin sensitizer.

#### Carcinogenicity

The data do not allow an adequate assessment of the carcinogenic effect.

#### Reproductive Toxicity

##### Development of Offspring

No data on teratogenic effects have been found.

##### Sexual Function and Fertility

No data on reproductive effects have been found.

#### Germ Cell Mutagenicity

The data do not allow an adequate evaluation of the mutagenic effect.

No information was located for: Aspiration Hazard, STOT (Specific Target Organ Toxicity) - Repeated Exposure, Effects on or via Lactation, Interactive Effects

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No known significant effects or critical hazards.

### Persistence and Degradability

No information was located.

### Bioaccumulative Potential

No information was located.

### Mobility in Soil

No information was located.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

It is important to minimize or avoid the generation of waste wherever possible. Disposal of this product and solutions must always respect the provisions of the law on environmental protection and waste disposal and must remain in compliance with the requirements of local laws and regulations. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult local or regional authorities.

## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	UN1824	CORROSIVE LIQUID (Sodium hydroxyde solution) (Sodium hydroxide)	8	II

**Special Precautions** Please note: Limited quantity in 1L or less

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

##### WHMIS 1988 Classification

E - Corrosive

## SECTION 16. OTHER INFORMATION

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**Disclaimer** Notice to reader and user : The information contained in this document is accurate to the best of our knowledge. however, the above named supplier assumes any liability whatsoever with respect to the accuracy of the informatoin contained in this document. The finl determination ond suitability of any material or product is the sole responsibility of the user. All materials may pose risk and should be used whith caution. Although certain hazards are described herein, we can not guarantee that these are the only hazards that exist .

Product Identifier: Nett. plaque - Ver. 1

SDS No.: 0048

Date of Preparation: mars 13, 2018

Date of Last Revision:

Page 06 of 06