

L.T.M. LEBANESE
BEIRUT FREE ZONE - IN
LEBANON

Section I. Chemical Product and Company Identification

Product Name/Trade Name	CHEF FRYER & GRIDDLE CLEANER	Code	1154
Chemical Family	Not available.	In case of Emergency	
Manufacturer	Avmor Ltd 950 Michelin Laval, Quebec, Canada	Material Uses	Fryer and griddle cleaner.

Section II. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC50/LD50
Sodium hydroxide	1310-73-2	10-30	Not available.	ORAL (LD50): Acute: 340 mg/kg [Rat].

Section III. Hazards Identification

Potential Acute Health Effects	Dangerous in case of skin contact (corrosive), of ingestion, of eye contact (corrosive). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns.
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: None. TETRATOGENIC EFFECTS: None. MUTAGENIC EFFFECTS: None. REPRODUCTIVE EFFECTS: None. The substance is not toxic for the reproductive system. Repeated or prolonged contact with spray mist may produce chronic eye, skin irritation and respiratory tract irritation.

Section IV. First Aid Measures

Eye contact	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.
Skin contact	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.
Hazardous Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Hazardous Inhalation	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.
Ingestion	DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention.
Hazardous Ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested. Loosen tight clothing. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Section V. Fire and Explosion Data

Flammability of the Product	Non-flammable.
Auto-Ignition Temperature	Not applicable.
Flash Points	Not applicable.
Flammable Limits	Not applicable.
Products of Combustion	Carbon oxides (CO, CO2)
Fire Hazards in Pressence of Various Substances	Not applicable.
Explosion Hazards	No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.
Fire Fighting Media and	Use DRY chemicals, CO2, water spray or foam.

Section VI. Accidental Release Measures

Small Spill	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid.
Large Spill	Corrosive liquid. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neutralize the residue with a dilute solution of acetic acid.

Section VII. Handling and Storage

Precautions	S1/2- Keep locked up and out of the reach of children. S26- In case of contact with eyes, rinse immediately with plenty of water. S46- If ingested, seek medical advice immediately and show the container or the label. S28- After contact with skin, wash immediately with plenty of water
Storage	Corrosive materials should be stored in a separate safety storage cabinet or room. Store in a dry, cool and well ventilated area.

Section VIII. Exposure Controls/Personal Protection

Gloves	Gloves.
Resiratory	Wear appropriate respirator when ventilation is inadequate.
Eyes	Splash goggles.
Other	Full suit, apron, face shield, boots: are recommended under exceptional circumstances such as fire, spill, or for prolonged contact with bulk quantities.
Exposure Limits	See section II

Section IX. Physical and Chemical Properties

Physical state and appearance	Liquid. (Clear liquid.)	Odor	Odourless
Boiling point	106°C (222.8°F)	Taste	Not available.
Melting Point	May start to solidify at 0°C (32°F) based on data for: Water.	Color	Colorless.
Critical Temperature	Not available.	Molecular Weight	Not applicable.
Volatility	82% (v/v).	pH (in Water)	13 [Basic.]

Evaporation Rate	Not available.	pH (concentrate)	Not available.
Vapor Pressure	The highest known value is 17.2 mm of Hg (@ 20°C) (Water).	Vapor density	The highest known value is 1 (Air = 1) (Water).
Inocity (in Water)	Not available.	Specific Gravity	1.15 (Water = 1)
Dispersion Properties	See solubility in water, methanol.	Viscosity	Not available.
Solubility	Easily soluble in cold water, hot water, methanol. Insoluble in diethyl ether, n-octanol.	Odor Threshold	Not available.

Section X. Stability and Reactive Data

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	No additional remark.
Incompatibility with Various Substances	Reactive with oxidizing materials, reducing materials, acids, alkalies, moisture.
Corrosivity	Not considered to be corrosive for metals and glass according to our database.

Section XI. Toxicological Information

Routes of Entry	Eye contact. Ingestion. Inhalation. Skin contact.
Toxicity to Animals	Acute oral toxicity (LD50): 1500 mg/kg (Rat) (Calculated value for the mixture).
Chronic Effects on Humans	CARCINOGENIC EFFECTS: None. TETRATOGENIC EFFECTS: None. MUTAGENIC EFFFECTS: None. REPRODUCTIVE EFFECTS: None. The substance is not toxic for the reproductive system. Repeated or prolonged contact with spray mist may produce chronic eye, skin irritation and respiratory tract irritation.
Engineering Controls	Provide exhaust ventilation or other engeneering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Section XII. Ecological Information

Ecotoxicity	Moderate.
BOD5 and COD	Biodegradable according to OECD.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.

Section XIII. Disposal Considerations

Waste Disposal	Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.
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Section XIV. Transport Information

ADR Classification	SODIUM HYDROXIDE, SOLUTION
UN/NA	1824
Packing Group	II
Special Provisions for Transport	No additional remark.

Section XV. Other Regulatory Information

DSCL (Classification)	R22- Harmful if ingested. R35- Causes severe burns.
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Section XVI. Other Information

References	
Validated by the Regulatory Affaires Department on 99-12-01	Printed 01-2-19
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