



MATERIAL SAFETY DATA SHEET

Section 1 IDENTIFICATION OF PRODUCT

EMERGENCY PHONE :
(24 hours service)
Québec Poison Control Centre:
-Québec: (800) 463-5060 (no charge)
-All other places: (418) 656-8090
CANUTEC: (613) 996-6666 (collect)

CHOISY LABORATORIES LTD
390, bd. St-Laurent East
P.O. Box 6
Louiseville (Québec) J5V 2L7
Phone: (819) 228-5564

WHMIS class: E
No additional remark.

Trade name: MIRAJEL

Code: 3778

Description: High adherence gel cleaner for chicken ovens and deep fryers

Shipping Name: Potassium hydroxide, solution

P.I.N.: UN1814 **TDG Class:** 8 **PG:** II

According to article 1.17 of TDG Clear Language Regulation, this product might be exempted for limited quantities.

Section 2 HAZARDOUS INGREDIENTS

| Technical Name | CAS | Conc. % | Test | Result | Route | Species |
|-----------------------|-----------|---------|------|------------|-------|---------|
| - Potassium hydroxide | 1310-58-3 | 10 - 15 | LD50 | 607 mg/kg | Oral | Rat |
| - Sodium gluconate | 527-07-1 | 0.1 - 1 | LD50 | 2000 mg/kg | Oral | Rat |

Section 3 PHYSICAL DATA

Appearance: Liquid. (Transparent and viscous liquid) **Color:** Colorless. **Odor:** Characteristic. **pH:** 14 [Basic.]

Boiling point (°C): 100°C (212°F)

Vapor density (air=1): Greater than air.

Melting point (°C): <0°C (32°F)

Volatile matters (% w/w): 80% (w/w)

Specific gravity (water=1): 1.07 to 1.11 (Water = 1)

Solubility in water: Easily soluble in cold water, hot water, methanol, acetone. Very slightly soluble in n-octanol. Insoluble in diethyl ether.

Section 4 FIRE AND EXPLOSION RISKS

Inflammability: Non-flammable.

Autoignition temperature (°C): Not applicable.

Flash point (°C) and method: Not applicable.

Flammable limits: (% by volume in air) Not applicable.

Extinguishing media: Not applicable.

Special fire fighting procedures: Not applicable.
Not applicable.




Unusual fire and explosion hazards: Not available.

Section 5 PREVENTIVE MEASURES

Step to be taken if material is released or spilled: Safety glasses. Lab coat. Impervious gloves.

Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Waste disposal method: Recycle, if possible. Consult your local or regional authorities.

| Section 5 PREVENTIVE MEASURES (continued) | | code: 3778 |
|--|--|---|
| Ventilation: | Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location. | |
| Protective clothing: | | |
| Respiratory: | Generally not required. | |
| Eyes: | Safety glasses recommended. Manipulate with care, avoid splashes. |  |
| Hands: | Gloves. |  |
| Others: | Safety glasses. Gloves. Lab coat. Boots. |  |
| Handling: | Keep locked up. Keep container dry. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as metals, acids. | |
| Storage: | Keep container tightly closed. Keep container in a cool, well-ventilated area. | |
| Section 6 REACTIVITY DATA | | |
| Stability: | The product is stable. | Conditions to avoid: Not available. |
| Incompatibility: (materials to avoid) | Reactive or incompatible with the following materials: metals and acids. Slightly reactive or incompatible with the following materials: oxidizing materials, reducing materials, combustible materials, organic materials and alkalis. Non-reactive or compatible with the following materials: moisture. | |
| Hazardous decomposition products: | These products are carbon oxides (CO, CO ₂) and water. Some metallic oxides. | |
| Hazardous polymerisation and conditions to avoid: | Will not occur. | |
| Section 7 HEALTH HAZARD EFFECTS | | |
| Extremely hazardous in case of skin contact (corrosive), of eye contact (corrosive), of ingestion. Hazardous in case of inhalation. Liquid, spray or mist may produce tissue damage, particularly to mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray or mist may produce severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath. | | |
| Carcinogenic Effects | Not available. | |
| Mutagenic Effects | Not available. | |
| Teratogenic Effects | Not available. | |
| Section 8 EMERGENCY AND FIRST AID PROCEDURES | | |
| SKIN: Wash contaminated skin with soap and water. EYES: Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention. INHALATION: Move exposed person to fresh air. If irritation persists, get medical attention. Ingestion: Do not induce vomiting. If affected person is conscious, give plenty of water to drink. Seek medical attention. | | |
| Section 9 PREPARATION INFORMATION | | |
| Prepared by: | Department of Research and Development of Choisy Laboratories Ltd. | Phone: (819) 228-5564 |
| | | Date: 2007-01-17 |