

TABEX[®]**Material Safety Data Sheet****Section I - Identification****TOTAL ALKALINITY UP****MANUFACTURER / SUPPLIER:**

CL MARKETING INC.

2770 – 24 Avenue N.E.,

Calgary, Alberta, T1Y 6V7

Phone: (403) 250-2494

Toll Free Order Line: 1-800-661-8179

EMERGENCY PHONE (CANUTEC): 613 - 996 - 6666

Chemical Name: Sodium bicarbonate.**Product Use:** To increase alkalinity of swimming pool water.

| <u>Hazard Rating</u> | <u>Designation</u> | |
|-----------------------------|---------------------------|---|
| 4 Extreme | Health | 1 |
| 3 High | Fire | 0 |
| 2 Moderate | Reactivity | 1 |
| 1 Slight | Personal Protection | B |
| 0 None | | |

Section II - Hazardous Ingredients

| <u>Material</u> | <u>% By Weight</u> | <u>CAS Nr</u> | <u>Exposure Limits</u> | <u>LD₅₀ (Oral-Rat)</u> |
|------------------------|---------------------------|----------------------|-------------------------------|--|
| Sodium bicarbonate | 98%-100% | 144-55-8 | N/A | 4220 mg/Kg |

Section III - Physical Data

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|------------------------------------|--|
| Appearance | Solid, white crystalline powder |
| Boiling Point | Product decomposes at 270 ⁰ C |
| Freezing Point | N/A |
| Odor | Odorless |
| pH (1%) | 8 – 8.2 |
| Specific Gravity (Water = 1) | 2.2 |
| Vapor Density (Air = 1) | N/A |
| Vapor Pressure (mm Hg) | N/A |
| Evaporation Rate | N/A |
| Water Solubility | Very Soluble |
| % Volatile | N/A |
| Coefficient water/oil distribution | N/A |
| Odor Threshold | N/A |

Section IV - Fire And Explosion Data

| | |
|-----------------------------------|---|
| Flash Point (°C , Test Method): | Non flammable product |
| Auto-Ignition Temperature: | None |
| Flammable Limits In Air: (g/l): | LFL: None UFL: None |
| Extinguishing Media: | Dry Chemical (Sodium Bicarbonate), Foam, CO ₂ , Water |
| Special Fire Fighting Procedure: | Fight fires from a safe distance. |
| Personal Protective Equipment: | Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) and full protective gear. |
| Conditions of flammability: | N/A |
| Hazardous combustion products: | N/A |
| Explosion Data: | N/A |
| Sensitivity Impact: | N/A |
| Sensitivity to static discharge: | N/A |
| Mechanical Impact: | N/A |

Section V - Health Hazard Information Of Product**Routes of Exposure and Acute Effects.**

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|-------------------------|------------------------|
| Inhalation: | May cause irritations. |
| Skin Contact: | May cause irritations. |
| Skin Absorption: | May cause irritations. |
| Eye Contact: | May cause irritations. |
| Ingestion: | May cause irritations. |

Chronic Exposure.

| | |
|-------------------------------|------------|
| Irritancy of product: | Irritating |
| Sensitizing Capacity: | N/A |
| Mutagenic effect: | N/A |
| Teratogenic effect: | N/A |
| Carcinogenic effect: | N/A |
| Reproductive toxicity: | N/A |
| Synergistic products: | N/A |

Emergency and First Aid Procedure.

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|--------------------|---|
| Eyes: | In case of contact, immediately flush eyes of plenty of water for at least 15 minutes. Call a physician immediately. |
| Skin: | In case of contact, remove contaminated clothing and flush skin thoroughly with soap and water. Wash clothing before reusing. |
| Inhalation: | If inhaled, remove victim to an area of fresh air. If irritation persists, call a physician. |
| Ingestion: | If swallowed do not induce vomiting. Call a physician immediately. |

Section VI - Reactivity Data

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|--|--|
| Conditions Contributing to Instability: | This product is stable under normal conditions. |
| Incompatibility: | Especially avoid contact with strong acids. |
| Decomposition Products: | Carbon Oxides (CO ₂ , CO), sodium oxides. |
| Reactivity: | In contact with strong acids. |

Section VII - Spill Or Leak Procedures**Steps To Be Taken If Material Is Released Or Spilled**

Sweep up waste or residue while avoiding dust formation.
Reclaim the spilled product in an appropriate closed container for use or disposal.
Large spills can require an aspiration procedure.
Clean up residual material by washing area with water.

Waste Disposal Method.

Dispose according to Local, Provincial and Federal by-laws.

Section VIII - Special Protection Information.**Ventilation requirements**

Local ventilation.

Specific Personal Protective Information.

Skin Protection: Chemical resistant rubber gloves
Eye Protection: Chemical splash goggles.
Respiratory protection: Use an approved self-contained breathing apparatus (MSHA/NIOSH or equivalent).
Other: Eye wash station and safety shower in area.
Do not wear contact lens when working with this compound.

Section IX - Special Precaution.**Precaution To Be Taken In Handling.**

Avoid inhalation of dust.
Avoid eye or skin contact. Do not take internally. Wash clothing before reuse.
Practice good personal hygiene.

Proper Storage, Handling and Disposal Requirements.

Store in tightly closed containers in a cool, dry, well-ventilated area.
Keep away from moisture and incompatible materials (strong acids).

Section X - Transport And Regulatory Information.

| | |
|------------------------------|-------------------------------|
| TDG DESIGNATION: | Not regulated product. |
| UN NUMBER: | Not regulated product. |
| TDG CLASSIFICATION: | Not regulated product. |
| WHMIS CLASSIFICATION: | Not regulated product |

Material Safety Data Sheet:

Prepared By: R. Ioanin
Verified By: G. Radu

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