

SODIUM CARBONATE 0.24N

Product: R-0810

Section 1: PRODUCT INFORMATION

Chemical family: Inorganic alkali solution.

Supplier: Lowry & Associates
Agents for Taylor Technologies Inc.
4 – 1151 Gorham Street
Newmarket, Ontario
L3Y 7V1
Tel: 905-836-0505
Fax: 905-895-4539.

Emergency Phone Number: Canutec 613-996-6666.
410-472-4340

Manufacturer: Taylor Technologies Inc.
31 Loveton Circle
Sparks, MD USA 21152
Tel: 410-472-4340.

TDG classification: SODIUM HYDROXIDE SOLUTION
UN1824
Class 8
PG II.



WHMIS classification:

E



DSL status: Not available.

Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingrédient	V.L.E.	DL/50	CL/50
497-19-8	< 5	SODIUM CARBONATE	NOT AVAILABLE	4090 MG/KG RAT ORAL 6600 MG/KG MOUSE ORAL	2300 MG/M3/2H RAT INHALATION 1200 MG/M3/2H MOUSE INHALATION

Section 3: PHYSICAL DATA

Physical state: Liquid.

Appearance & odor: Odourless.
Colourless.
Clear

Odor threshold (ppm): Not applicable.

Vapour pressure (mmHg): 2.3 kPa

Vapour density (air=1): 0.6

Volatiles (%)

By volume: 98%

**Evaporation rate
(butyl acetate = 1):** Not available.

Boiling point (°C): 100

Freezing point (°C): 0

pH: 11

Specific gravity @ 20 °C: 1

Solubility in water (%): Soluble.

Coefficient of water\oil dist.: Not available.

VOC: Not available.

Section 4: FIRE & EXPLOSION DATA

Flammability: Not flammable.

Conditions of flammability: Surrounding fire.

Extinguishing media: Carbon dioxide, dry chemical, foam.
Water spray.

Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.

Auto-ignition temperature: Not applicable.

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

**Lower flammability
limit (% vol):** Not applicable.

**Upper flammability
limit (% vol):** Not applicable.

Explosion Data

Sensitivity to static discharge: Not applicable.

Sensitivity to mechanical impact: Not applicable.

Hazardous combustion products: Carbon dioxide (CO₂).
Oxides of sodium (NaOx).

Explosive power: Not applicable.

Section 5: REACTIVITY DATA

Chemical stability: Stable under normal conditions.

Conditions of instability: Excessive heat.
Direct sunlight.
Extreme temperatures.

Hazardous polymerization: Not available.

Incompatible substances: Strong acids.
Aluminum (Al).
Lithium (Li).
Fluorine.
Phosphorous pentoxide.

Hazardous decomposition products: See hazardous combustion products.

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry: Eye contact, skin contact, skin absorption, inhalation and ingestion.

Effects of acute exposure

Eye contact: Irritant.

Skin contact: Irritant.

Inhalation: May be harmful if inhaled.

Ingestion: May cause gastro-intestinal irritation.

Effects of chronic exposure: None known.

LD50 of product, species & route: Not available for mixture, see the ingredients section.

LC50 of product, species & route: Not available for mixture, see the ingredients section.

Exposure limit of material: Not available.

Sensitization to product: Not available.

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type:



Wear protective gloves.

Respiratory/Type: None required under normal use.



NIOSH approved respirator, if necessary.

Eye/Type:



Face shield.



Safety glasses.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type:



Wear a rubber apron.



Lab coat.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Adequate general ventilation.

Leak/Spill: Wear appropriate protective equipment.
Neutralize with diluted acid.
Soak up with inert absorbent.
Transfer to an approved container for disposal or recovery.

Waste disposal: In accordance with municipal, provincial and federal regulations.

Handling procedures and equipment: Avoid breathing vapors/mists.
Use adequate ventilation.
Wash thoroughly after using, particularly before eating or smoking.
Wear personal protective equipment appropriate to task.
Avoid contact with skin, eyes and clothing.
Do not take internally.
Launder contaminated clothing prior to reuse.

Storage requirements: Store away from incompatible materials.
Keep out of direct sunlight.
Keep containers tightly closed.
Store in a cool, dry and well ventilated area.

Special shipping information: See transportation information.

Section 8: FIRST AID MEASURES

Skin contact: Wash with water for at least 15 minutes.
Get medical attention.

Eye contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids. Get prompt medical attention.

Inhalation: Remove victim to fresh air.
Treat symptomatically.
If breathing is difficult, obtain immediate medical attention.

Ingestion: Obtain immediate medical attention.
Give large quantities of water to drink.
Do not induce vomiting.
Never give anything by mouth to an unconscious person.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 9: ADDITIONAL INFORMATION

General note: This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.

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