



Comet Chemical Company Ltd.
3463 Thomas Street Innisfil ,ON L9S 3W4
Tel: (705) 436-5580 Fax: (705) 436-7194

Material Safety Data Sheet

SODIUM CARBONATE (SODA ASH; WASHING SODA)

Revision Date: 2008/08/08

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Not available.

Product uses: Water treatment.
Bleach.
Glass manufacture.

Product name: Sodium Carbonate (Soda Ash; Washing Soda)

Supplier: Comet Chemical Ltd.
3463 Thomas Street
Innisfil, On.
L9S 3W4.

Supplier 24 hour phone number: (705)436-5580 – weekdays from 8:00-5:00.
(800)567-7455 all other times (Newalta Services).

Section 2 : INGREDIENT INFORMATION

C.A.S.	CONCENTRATION %	Ingrédient	V.L.E.	DL/50	CL/50
497-19-8	100	SODIUM CARBONATE	NOT AVAILABLE	4090 MG/KG RAT ORAL	2300 MG/M3/2H RAT INHALATION
				6600 MG/KG MOUSE ORAL	1200 MG/M3/2H MOUSE INHALATION

Section 3 : HAZARD IDENTIFICATION

Route of entry: Skin contact, eye contact, inhalation and ingestion.

Effects of acute exposure

Eye contact: Severe irritant.
May cause permanent damage.

Skin contact: Mild irritant.

Skin absorption: Nil

Inhalation: May cause coughing.
Severe irritant.
May cause wheezing.

Ingestion: May cause vomiting and diarrhea.
Low oral toxicity.
May cause digestive upset.

Effects of chronic exposure: May cause lung damage.
May cause skin damage.
Effects may be delayed.
May aggravate asthma.

Sensitization to product: No

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: None known.

Teratogenicity: None known.

Mutagenicity: None known.

Synergistic materials: None known.

Section 4 : FIRST AID MEASURES

Skin contact: Remove contaminated clothing.
Wash thoroughly with soap and water.
Seek medical attention if irritation persists.

Eye contact: Flush eyes with clear, running water for 15 minutes while holding eyelids open. If irritation persists, consult a physician.

Inhalation: Remove victim to fresh air. If not breathing, qualified personnel should administer artificial respiration. Get medical attention.

Ingestion: Guard against aspiration of liquids into lungs.
If vomiting occurs, keep head below hips.
Never give anything by mouth to an unconscious person.
Do not induce vomiting, keep person calm.
Immediately drink plenty of water.
Obtain emergency medical attention.

Section 5 : FIRE FIGHTING MEASURES

Flammability: Not flammable.

Conditions of flammability: Surrounding fire.

Extinguishing media: Suitable for surrounding fire.

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

Auto-ignition temperature (°C): 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 sensitive.

Sensitivity to mechanical impact: Not sensitive.

Hazardous combustion products: Carbon monoxide (CO).
Sodium oxides (NaOx).

Rate of burning: Not available.

Explosive power: Not available.

Section 6 : ACCIDENTAL RELEASE MEASURES

Leak/Spill: Dike area to prevent spreading.
Prevent entry into drains, sewers, and other waterways.
Ventilate area.
Wear appropriate protective equipment.
Sweep up or shovel into appropriate container.
Pump to containers or soak up on inert absorbent.
Place in a closed container for disposal.
May be flushed to sewer if properly neutralized.

Section 7 : HANDLING AND STORAGE

Handling procedures and equipment: Use adequate ventilation.
Wear personal protective equipment appropriate to task.
Wash thoroughly after handling.
Avoid breathing dust or mist.
Avoid contact with skin, eyes and clothing.
Launder contaminated clothing prior to reuse.

Storage requirements: Store away from incompatible materials.

Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary Measures

Gloves/Type: Water impervious.

Respiratory/Type: None normally required.
NIOSH approved respirator with organic vapor cartridge is required if ventilation is inadequate or exposure limits are exceeded.

Eye/Type:



Safety glasses with side-shields.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: Long sleeve shirt, long trousers.



Apron

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

Ventilation requirements: Ventilate adequately.
As needed to stay below TLV.

Exposure limit of material: Not available.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid

Appearance & odor: White
Odourless.
Granules or crystals.

Odor threshold (ppm): None

Vapour pressure (mmHg): None

Vapour density (air=1): None

Volatiles (%)

By volume: Not available.

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

Boiling point (°C): Decomposes.

Freezing point (°C): 851°C

pH: (1%–5% solution).
11.5

Specific gravity @ 20 °C: (density).
2.5

Solubility in water (%): (soluble in glycerol, but not in alcohols or ketones).
200–300 g/l @ 20°C

Coefficient of water\oil dist.: Not available.

VOC: Not available.

Section 10 : STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.

Conditions of instability: Contact with incompatible substances.

Hazardous polymerization: Will not occur.

Incompatible substances: Acids
Aluminum (Al).
Magnesium.
Lithium (Li).
Acid anhydrides.
Fluorine.
Disphosphorus trioxide (P₂O₃).

**Hazardous decomposition
products:** See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: (estimated).
4090 mg/kg rat oral.
6600 mg/kg mouse oral.

LC50 of product, species & route: Estimated.
2300 mg/m³ rat inhalation.
1200 mg/m³ mouse inhalation.

Section 12 : ECOLOGICAL INFORMATION

Environmental toxicity: No data at this time.

Environmental fate: No data at this time.

Section 13 : DISPOSAL CONSIDERATIONS

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

Section 14 : TRANSPORT INFORMATION

TDG classification: Not regulated.

Special shipping information: See transportation information.

Section 15 : REGULATORY INFORMATION

WHMIS classification:

D1B, E.



DSL status: Appears on DSL.

Section 16 : OTHER INFORMATION

Supplier MSDS date: 2008/08/08

This MSDS was generated by *Conform-Plus* Application Service. Visit us at www.netmsds.com.