

SAFETY DATA SHEET

1. Product and Company Identification

The Barbee Company
1703 Mattawa Ave.
Mississauga, ON L4X 1K5

EMERGENCY TELEPHONE NUMBERS:

Barbee Co. 1-905-276-3101
Canutec: 1-613-996-6666

Product Identification

Product Name: #54/56 Tank Block/Powder Chemical Family: Alkali salt
Synonyms: Sodium carbonate; carbonic acid; Molecular Formula: Not Available
Disodium carbonate

Product Use: Water treatment; PH control CAS#: Anhydrous: 497-19-8

WHMIS Hazard Class: D2B: Toxic materials. Eye irritant

Class E: Corrosive to aluminum. Not corrosive to animal skin or carbon steel.

READ ENTIRE MSDS FOR COMPLETE EVALUATION OF THIS PRODUCT

2. Hazards Identification

GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

Warning

Hazard Statements

H319 – Causes serious eye irritation



Precautionary Statements - Prevention

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear eye protection/ face protection

Precautionary Statements – Response

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice! attention

Hazards not otherwise classified (HNOC)

No hazards not otherwise classified were identified.

Other Information

May be harmful if swallowed.

3. Composition

Chemical Ingredients	CAS#	TLV-TWA	Percent (Weight)	LD50 Oral	LC50 Inhalation
Sodium Carbonate	497-19-8	Not Listed	95%	2.800 mg/Kg (rat)	2.3 mg/L (rat)
Pylaklor Fluorescene		None Established	>5%	Not available	Not available.
(Acid Yellow 17):	6359-98-4				
(Acid Yellow 73):	518-47-8				

4. First Aid Measures

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. If symptoms persist call a physician.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Remove and wash contaminated clothing before re-use.

Inhalation: If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If signs/symptoms persist get medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Most important symptoms and effects, both acute and delayed Causes serious eye damage / eye irritation.

Indication of immediate medical Attention and special treatment needed, if necessary Treat symptomatically.

5. Fire Fighting Measures

Flammability Class (WHMIS): Not regulated. **Autoignition Temp.** (°C): Not Available.
Flash Point (TCC, °C): Does not Flash.
Flammable Limits in Air (%): LEL: Not Applicable. UEL: Not Applicable

Sensitivity to Mechanical Impact: Not sensitive.

Sensitivity to Static Discharge: Not sensitive.

Specific hazards arising from the chemical Non-combustible substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

Protective equipment and precautions for firefighters Fire Fighters should wear approved Self-Contained Breathing Apparatus and NSHA/NIOSH and full protective gear.

Hazardous Combustion Products: Fumes of sodium oxide. Carbon oxides (COx).

Fire Extinguishing Materials: Use extinguishing media appropriate for surrounding fire.

Water Spray: OK
Foam: OK
Halon: OK

Carbon Dioxide: OK
Dry Chemical: OK
Other: Any "ABC" Class

6. Accidental Release Measures

Personal precautions Avoid dust formation. Sweep up to prevent slipping hazard.

Other For further clean-up instructions, call Emergency Hotline number listed in Section 1.

Environmental precautions Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Do not flush into surface water or sanitary sewer system. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for Containment Prevent large quantities of this product from contacting vegetation or waterway. Cover with plastic sheet to prevent spreading. Pick up and transfer to properly labeled containers. Keep in suitable and closed containers for disposal.

Methods for cleaning up: Pick up and transfer to properly labeled containers. Keep in suitable and closed containers for disposal. Dispose of waste as indicated in Section 13.

7. Handling and Storage

Handling Use air conveying/mechanical systems for bulk transfer to storage. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment if release of airborne dust is expected.

Storage Store in original container. Keep in properly labeled containers. Keep containers tightly closed.

Incompatible Products Aluminum. Powdered aluminum. Acids

8. Exposure Controls/Personal Protection

Control parameters This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory body. Local nuisance dust standards apply.

Eye Protection Use appropriate protective glasses or chemical safety goggles when there is potential for contact.

Skin Protection Gloves and protective clothing made from, rubber or plastic should be impervious under conditions of use. Prior to use, user should confirm impermeability.

Respiratory Protection No specific guidelines available. A respirator protection program that meets OSHA's 29 CFR H1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Other PPE: Wear an impermeable apron and boots. Locate safety shower and eyewash station close to chemical handling area. Take all precautions to avoid personal contact.

ENGINEERING CONTROLS: Local Exhaust ventilation required.

9. Physical and Chemical Properties

Physical state	Solid, granular	Boiling Point:	No information available.
Appearance and Odour	Orange, no odour	Melting/Freezing Point	851 °C
Odour Threshold	n/a	PH:	11.4 (1% solution in water)
Vapour Pressure	n/a	Decomposition Temp	400°C
Vapour Density	n/a	Specific Gravity	212.5 g/L @ 20°C
Evaporation Rate	Not Available.	Molecular weight	105.99
Density	2.52	Kst	0 bar m/s
Explosive properties	Not explosive	Oxidizing properties	Non-oxidizing

10. Stability and Reactivity

Reactivity	None under normal use conditions.
Chemical Stability	Stable. Decomposes by reaction with strong acid.
Possibility of Hazardous Reactions	None under normal processing

Hazardous Polymerization:	Will not occur.
Incompatibilities:	Aluminum. Powdered aluminum. Acids.

Hazardous Decomposition Products Sodium oxides. Carbon oxides (COx)

11. Toxicological Information

Eye Contact	Irritating to eyes
Skin Contact	Non-irritating
Inhalation	Irritating to lungs
Sensitization	Patch test on human volunteers did not demonstrate sensitization properties.

Delayed and Immediate effects as well as chronic effects from sort and long term exposure

Reproductive toxicity	No information available
Mutagenicity Data:	No information available.
Carcinogenicity	Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGI).
STOT – single exposure	No information available.
STOT – repeated exposure	No information available.
Aspiration hazard	No information available.

12. Ecological Information

Active ingredients	Duration	Species	Value	Units
Sodium Carbonate	196 h LCSO	Bluegill sunfish	300	mg/L
	148 h EC50	Ceriodaphnia	1200-227	mg/L

Bioaccumulation Does not bioaccumulate.

Mobility Dissociates into ions.

Other Adverse Effects None known.

13. Disposal Considerations

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Significant quantities of waste product residues should not be disposed of via sewer systems but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261)

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transportation Information

DOT (US) Not Regulated

TDG (CAN) Not Regulated

ICAO/IATA Not Regulated

IMDG/IMO Not Regulated

15. Regulatory Information

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

International Inventories

Component	TSCA (USA)	DSL (Canada)	EINECS/ELI NCS (EU)	ENCS (Japan)	IECSC (China)	KECL (Korea)	AICS (Australia)
Sodium carbonate 497-19-8 (100)	X	X	X	X	X	X	X

WHMIS Hazard Class

D2B – Toxic materials. Eye irritation

Class E: Corrosive to aluminum. Not corrosive to animal skin or steel.

16. Other Information

HMIS HAZARD RATING

Health: 2 Flammability: 0 Physical Hazard: 0 Personal Protection: E

HAZARD INDEX

0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe

PERSONAL PROTECTION CODE:

E=Safety glasses, gloves, respirator

To obtain revised copies of this or other Safety Data Sheets, contact:

The Barbee Company
1703 Mattawa Ave.
Mississauga, ON L4X 1K5
905-276-3101

PREPARED BY: The Barbee Company
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