

# SAFETY DATA SHEET

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## 1. Product and Company Identification

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

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

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### 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

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## 2. Hazards Identification

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### 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.

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### 3. Composition

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

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### 4. First Aid Measures

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**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.

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### 5. Fire Fighting Measures

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**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

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## 6. Accidental Release Measures

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**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.

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## 7. Handling and Storage

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**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

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## 8. Exposure Controls/Personal Protection

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**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.

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### 9. Physical and Chemical Properties

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

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### 10. Stability and Reactivity

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

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

**Hazardous Decomposition Products** Sodium oxides. Carbon oxides (COx)

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### 11. Toxicological Information

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<b>Eye Contact</b>	Irritating to eyes
<b>Skin Contact</b>	Non-irritating
<b>Inhalation</b>	Irritating to lungs
<b>Sensitization</b>	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

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

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### 12. Ecological Information

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

<b>Bioaccumulation</b>	Does not bioaccumulate.
<b>Mobility</b>	Dissociates into ions.
<b>Other Adverse Effects</b>	None known.

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### 13. Disposal Considerations

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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.

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### 14. Transportation Information

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<b>DOT (US)</b>	Not Regulated
<b>TDG (CAN)</b>	Not Regulated
<b>ICAO/IATA</b>	Not Regulated
<b>IMDG/IMO</b>	Not Regulated

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### 15. Regulatory Information

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#### **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.

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**16. Other Information**

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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

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