



Flinn Scientific Canada Inc.  
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1-844-200-1455

**PRODUCT: Sodium Carbonate, Anhydrous**

**CODE: J716.00**

### SECTION 01: IDENTIFICATION

MANUFACTURER..... Flinn Scientific Inc.  
PO Box 219  
Batavia, Illinois 60510 USA  
Tel: 1-800-452-1261

PRODUCT NAME..... Sodium Carbonate, Anhydrous

PRODUCT USE..... This product is intended for use in a laboratory. The use of this product is restricted for use in a laboratory only.

SYNONYMS..... Sodium carbonate.

EMERGENCY NUMBER:..... CHEMTREC Emergency Phone Number: 703-527-3887 .

### SECTION 02: HAZARD IDENTIFICATION



SIGNAL WORD..... WARNING.

HAZARD CLASSIFICATION..... Eye Irritation — Category 2A.

HAZARD STATEMENT(S)..... H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENT(S)..... P264 Wash thoroughly after handling. P280 Wear protective gloves, protective clothing, eye protection and face protection.

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.

STORAGE..... Flinn Suggested Chemical Storage Pattern: Inorganic #4.

DISPOSAL..... P501 Dispose of contents/container in accordance with local regulations.

### SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Sodium carbonate, anhydrous	497-19-8	100

### SECTION 04: FIRST AID MEASURES

MEDICAL ATTENTION AND SPECIAL TREATMENT ..... Call a POISON CENTER or physician if you feel unwell.

INHALATION..... Remove victim to fresh air and keep at rest in a position comfortable for breathing.

INGESTION..... Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SKIN CONTACT..... Wash with plenty of water. If skin irritation occurs: Get medical advice or attention .

EYE CONTACT..... Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice or attention.

### SECTION 05: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA..... Use a tri-class dry chemical fire extinguisher .

HAZARDOUS COMBUSTION PRODUCTS..... When heated to decomposition, may emit toxic fumes.

SPECIAL FIRE FIGHTING PROCEDURES..... Nonflammable solid.

NFPA CODE..... None established.

### SECTION 06: ACCIDENTAL RELEASE MEASURES

PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES ..... Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP ..... Do not allow solid to become airborne. Ventilate area. Wipe up with damp towel, and place in sealed bag or container and dispose. Wash spill site after material pickup is complete.

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**SECTION 07: HANDLING AND STORAGE**

HANDLING PROCEDURES..... Wash thoroughly after handling . P233 Keep container tightly closed . Hygroscopic.  
 STORAGE NEEDS..... Store in a cool, dry place within a Flinn Chem-Saf™ bag. Store with hydroxides, oxides, silicates and carbonates.  
 FLINN SUGGESTED CHEMICAL STORAGE PATTERN INORGANIC #4.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	ACGIH TLV		OSHA PEL		NIOSH REL
	TWA	STEL	PEL	STEL	

Sodium carbonate, anhydrous	Not established	Not established	Not established	Not established	Not established
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PROTECTIVE EQUIPMENT..... Wear protective gloves, protective clothing, and eye protection.  
 EYE/TYPE..... Safety goggles.  
 RESPIRATORY/TYPE..... Respiratory device if needed.  
 GLOVES/ TYPE..... Protective gloves.  
 CLOTHING/TYPE..... Protective clothing.  
 FOOTWEAR/TYPE..... Protective footwear.  
 BODY/TYPE..... General personal protective equipment.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE..... White crystals or powder.  
 ODOUR..... Odourless.  
 ODOUR THRESHOLD..... Not available.  
 pH..... Not available.  
 MELTING POINT/FREEZING POINT (°C).... 856°C.  
 BOILING POINT (°C)..... Not available.  
 EVAPORATION RATE..... Not available.  
 FLASH POINT (°C), METHOD..... Not available.  
 FLAMMABILITY (SOLID; GAS)..... No data available.  
 LOWER FLAMMABLE LIMIT (% VOL)..... Not available.  
 UPPER FLAMMABLE LIMIT (% VOL)..... Not available.  
 AUTO IGNITION TEMPERATURE (°C)..... Not available.  
 VAPOUR PRESSURE (mm Hg)..... Not available.  
 VAPOUR DENSITY (AIR=1)..... Not available.  
 RELATIVE DENSITY..... 2.54.  
 PARTITION COEFFICIENT — (N-OCTANOL/WATER)..... Not available.  
 SOLUBILITY..... Water and glycerol. Insoluble in alcohol.  
 VISCOSITY..... Not applicable.

**SECTION 10: STABILITY AND REACTIVITY**

STABILITY..... Shelf life: Fair. See Section 7 for further information.  
 POSSIBILITY OF HAZARDOUS REACTIONS..... Reacts vigorously with fluorine.  
 CONDITIONS TO AVOID..... Moisture, hygroscopic.  
 INCOMPATIBLE MATERIALS..... Avoid contact with acids, aluminum.  
 HAZARDOUS DECOMPOSITION PRODUCTS..... When heated to decomposition, may emit toxic fumes.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
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Sodium carbonate, anhydrous	IHL-RAT: 2300 mg/m <sup>3</sup> (2 hour)	4090 mg/kg oral rat
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ROUTE OF ENTRY..... Skin contact, eye contact, possible inhalation.  
 ACUTE EFFECTS..... Irritant.  
 CHRONIC EFFECTS..... Not all health aspects of this substance have been fully investigated.  
 TARGET ORGANS..... Investigated as a mutagen.

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**SECTION 12: ECOLOGICAL INFORMATION**

ECOTOXICITY..... LC50 96 Hr Lepomis macrochirus: 300 mg/L.

**SECTION 13: DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS..... Please review all Federal, Provincial and Local Regulations that may apply before proceeding.

**SECTION 14: TRANSPORT INFORMATION**SHIPPING NAME..... Not regulated.  
PROOF OF CLASSIFICATION..... This product has been classified in accordance with Part 2 of the Transportation of Dangerous Goods Regulations.**SECTION 15: REGULATORY INFORMATION**CEPA STATUS..... DSL - The substance is specified on the public Portion of the Domestic Substances List.  
U.S. TSCA INVENTORY STATUS..... Listed.  
EINECS STATUS..... Listed (207-838-8).**SECTION 16: OTHER INFORMATION**

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