

SIGMA CHEMICAL COMPANY -- S2127 SODIUM CARBONATE ANHYDROUS -- 6810-00-264-3936  
===== Product Identification =====

Product ID:S2127 SODIUM CARBONATE ANHYDROUS

MSDS Date:10/21/1988

FSC:6810

NIIN:00-264-3936

MSDS Number: BKHKZ

=== Responsible Party ===

Company Name:SIGMA CHEMICAL COMPANY

Box:14508

City:ST. LOUIS

State:MO

ZIP:63178

Info Phone Num:(314) 771-5765 & (800) 325-8070

Emergency Phone Num:(3

14) 771-5765 & (800) 325-8070

CAGE:21076

=== Contractor Identification ===

Company Name:ABBOTT LABORATORIES INC

Address:200 ABBOTT PARK RD

Box:City:NORTH CHICAGO

State:IL

ZIP:60064

Country:US

Phone:847-935-7177

CAGE:60060

Company Name:SIGMA CHEMICAL COMPANY

Address:3050 SPRUCE ST

Box:14508

City:ST LOUIS

State:MO

ZIP:63178

Country:US

Phone:314-771-5765

CAGE:21076

===== Composition/Information on Ingredients =====

Ingred Name:SODIUM CARBONATE (SODA ASH, TRONA, CARBONIC ACID, CR

YSTOL  
(CARBONATE, DISODIUM CARBONATE)

CAS:497-19-8

RTECS #:VZ4050000

Fraction by Wt: 100%

=====  
===== Hazards Identification =====

LD50 LC50 Mixture:ORAL LD50 (RAT): 4090 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SKIN: HARMFUL, ABSORPTION &  
IRRITATION. EYE: IRRITATION. INHALATION: MUCOUS MEMBRANE/UPPER  
RESPIRATORY TRACT IRRITATION & HARMFUL. INGESTIO

N: HARMFUL.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SKIN: HARMFUL, ABSORPTION & IRRITATION. EYE:  
IRRITATION. INHALATION: MUCOUS MEMBRANE/UPPER RESPIRATORY TRACT  
IRRITATION & HARMFUL. INGESTION: HARMFUL. TARGET ORGAN: EFFECTS ON  
FERTILITY (PRE-IMPLANTATION MORTALITY).

=====  
===== First Aid Measures =====

First Aid:EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. SKIN:  
WASH THOROUGHLY W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR.

GIVE CPR OR OXYGEN IF NEEDED. INGESTION: OBTAIN MEDICAL ATTENTION  
IN ALL CASES.

=====  
===== Fire Fighting Measures =====

Flash Point:NON-COMBUSTIBLE

Upper Limits:N./K

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING  
FIRE CONDITIONS.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS &  
PROTECTIVE CLOTHING.

=====  
===== Accidental Release Measures =====

Spill Release Procedures:WEAR SE

LF-CONTAINED BREATHING APPARATUS,  
RUBBER BOOTS, & HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN A BAG &  
HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA & WASH  
SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

=====  
Handling and Storage  
=====

Handling and Storage Precautions:STORE IN A COOL DRY PLACE. PRODUCT IS  
HYGROSCOPIC. KEEP TIGHTLY CLOSED.

Other Precautions:AVOID CONTACT W/EYES, SKIN, CLOTHING, & BREATHING  
DUST. REACTS VIGOROUSLY W  
/FLUORINE.

=====  
Exposure Controls/Personal Protection  
=====

Respiratory Protection:WEAR APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation:MECHANICAL: REQUIRED

Protective Gloves:CHEMICAL RESISTANT, HEAVY RUBBER

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:RUBBER BOOTS, PROTECTIVE CLOTHING, SAFETY  
SHOWER, & EYE BATH.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE  
REUSE. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

h

=====  
Physical/Chemical Properties  
=====

Melt/Freeze Pt:M.P/F.P Text:1563.8F

Spec Gravity:2.532

=====  
Stability and Reactivity Data  
=====

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, ALUMINUM, & FLUORINE.

Hazardous Decomposition Products:CO & CO2.

=====  
Disposal Considerations  
=====

Waste Disposal Methods:ADD WATER. ADJUST PH TO 7. SEPARATE INSOLUBLE  
SOLIDS/LIQUIDS & PACKAGE AS HAZARDOUS

-WASTE. FLUSH AQUEOUS SOLUTION

DOWN DRAIN W/WATER. HYDROLYSIS NEUTRALIZING MAY CAUSE HEAT/FUME BUT IS CONTROLLED BY RATE OF ADDITION. OBSERVE FED/STATE/LOCAL REGS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person

utilizing this

document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.