# SIGMA-ALDRICH

# Material Safety Data Sheet

Version 3.0 Revision Date 07/15/2007 Print Date 11/21/2007

Product name	🗄 Sodiun	n bicarbonate			
Product Number	: S4772				
Brand	: Sigma				
Company	3050 Spr	: Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103			
Telephone	: +1 800-3	325-5832			
Fax	: +1 800-3				
Emergency Phone #	: (314) 776	6-6555			
OMPOSITION/INFORI	MATION ON INGRE	DIENTS			
Synonyms	: Sodium h	hydrogen carbonate			
Formula	: NaHCO3	3			
Molecular Weight	: 84.01 g/r				
CAS-No.	EC-No.	Index-No.	Concentration [%]	1	
		I		-	
Sodium hydrogenca	arbonate				
Sodium hydrogenca 144-55-8 AZARDS IDENTIFICA	205-633-8	-	-	_	
	205-633-8 TION ards				
144-55-8   AZARDS IDENTIFICA   Emergency Overview   OSHA Hazards   No OSHA Haz   HMIS Classification   Health Hazard: 1   Flammability: 0   Physical hazards   NFPA Rating	205-633-8 .TION .ards : 0				
AZARDS IDENTIFICA Emergency Overview OSHA Hazards No OSHA Haz HMIS Classification Health Hazard: 1 Flammability: 0 Physical hazards NFPA Rating Health Hazard: 0 Fire: 0	205-633-8 <b>TION</b> r r r r r tards f 1: 0				

ID MEASURES	
aled athed in, move per	son into fresh air. If not breathing give artificial respiration
	s a precaution.
	mouth to an unconscious person. Rinse mouth with water.
GHTING MEASUF	ES
	no data available
ble extinguishing	
	<b>ipment for fire-fighters</b> athing apparatus for fire fighting if necessary.
er information roduct itself does r	not burn.
	athed in, move pers se of skin contact off with soap and se of eye contact eyes with water as allowed give anything by r GHTING MEASUR mable properties ash point hition temperature ble extinguishing xtinguishing measu al protective equi self contained brea er information

Avoid dust formation.

**Environmental precautions** Do not let product enter drains.

### Methods for cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

# 7. HANDLING AND STORAGE

#### Handling

Provide appropriate exhaust ventilation at places where dust is formed.

#### Storage

Keep container tightly closed in a dry and well-ventilated place.

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

#### Personal protective equipment

### **Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

For prolonged or repeated contact use protective gloves.

Eye protection Safety glasses

**Hygiene measures** General industrial hygiene practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Form	solid
Colour	no data available
Safety data	
рН	no data available

Melting point	300 °C (572 °F)		
Boiling point	no data available		
Flash point	no data available		
Ignition temperature	no data available		
Lower explosion limit	no data available		
Upper explosion limit	no data available		
Density	2.160 g/cm3		
Water solubility	no data available		

## **10. STABILITY AND REACTIVITY**

# Storage stability

Stable under recommended storage conditions.

**Conditions to avoid** Exposure to moisture.

Materials to avoid Strong acids, Strong oxidizing agents

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. Carbon oxides, Sodium oxides

## **11. TOXICOLOGICAL INFORMATION**

#### Acute toxicity

LD50 Oral - rat - 4,220 mg/kg

### Irritation and corrosion

Skin - Human - Mild skin irritation - 3 d

Eyes - rabbit - Mild eye irritation - 30 s

#### Sensitisation

no data available

## Chronic exposure

no data available

the absorption of harmfu Potential Health Effect Inhalation Skin Eyes Ingestion	May be harmful if inhaled. May cause respiratory tract irritation. May be harmful if absorbed through skin. May cause skin irritation. May cause eye irritation.
Inhalation Skin Eyes Ingestion	May be harmful if inhaled. May cause respiratory tract irritation. May be harmful if absorbed through skin. May cause skin irritation. May cause eye irritation.
F001 001011 11-55	May be harmful if swallowed.
<b>ECOLOGICAL INFORM</b>	ΑΤΙΟΝ
no data available	n (persistence and degradability)
Ecotoxicity effects	
no data available	
Further information or	i ecology
no data available	
Contaminated packag Dispose of as unused p TRANSPORT INFORMA	roduct.
<b>DOT (US)</b> Not dangerous goods	
IMDG Not dangerous goods	
IATA Not dangerous goods	
REGULATORY INFORM	IATION
<b>OSHA Hazards</b> No OSHA Hazards	
TSCA Status On TSCA Inventory	
<b>DSL Status</b> All components of this p	product are on the Canadian DSL list.
SARA 302 Component	s Is in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA SUZ. NU CHEMICA	

Sigma - S4772

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Massachusetts Right To Know Components No Components Listed		
Pennsylvania Right To Know Components		
	CAS-No.	Revision Date
Sodium hydrogencarbonate	144-55-8	
New Jersey Right To Know Components		
	CAS-No.	Revision Date
Sodium hydrogencarbonate	144-55-8	
California Pron. 65 Components		

# California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

## **16. OTHER INFORMATION**

#### **Further information**

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