

MALLINCKRODT INC SCIENCE PRODUCTS DIVISION -- SODIUM BICARBONATE -- 6810-00-241-1143

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Product Identification  
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Product ID:SODIUM BICARBONATE

MSDS Date:11/06/1985

FSC:6810

NIIN:00-241-1143

MSDS Number: BQKNR

=== Responsible Party ===

Company Name:MALLINCKRODT INC SCIENCE PRODUCTS DIVISION

Address:PARIS BYPASS

Box:M

City:PARIS

State:KY

ZIP:40361

Country:US

Info Phone Num:314-982-5000

Emerg

ency Phone Num:314-982-5000, 314-539-1600

CAGE:62910

=== Contractor Identification ===

Company Name:MALLINCKRODT SPECIALTY CHEMICALS CO

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:908-859-2151

CAGE:62910

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Composition/Information on Ingredients  
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Ingred Name:SODIUM BICARBONATE

CAS:144-55-8

RTECS #:VZ0950000

Fraction by Wt: 100%

Other REC Limits:10MG/CUM AS DUST

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Hazards Identification  
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LD50 LC50 Mixture:ORAL-RAT LD50= 3360 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:ACUTE: INHALATION:IRRITATION OF RESPIRATORY TRACT. SKIN:PROLONGED CONTACT MAY CAUSE IRRITATION. EYES:IRRITATION. INGESTION:IRRITATION OF MOUTH AND STOMACH. DOSES >5 GM/KG MAY CAUSE ALKALOSIS AND EDEMA . CHRONIC: FLUID RETENTION, WEIGHT GAIN, ALKALOSIS.

Effects of Overexposure:SKIN,EYES AND RESPIRATORY IRRITATION.,

COUGHING, RED EYES WITH PAIN, INGESTION:IRRITATION, ALKALOSIS AND EDEMA, DISTENTION AND BELCHING, SPASM AND CARDIOPULMONARY ARREST IN CASES OF LARGE DOSES.

Medical Cond Aggravated by Exposure:KIDNEY, BLOOD PRESSURE.

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

First Aid:EYES:FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES, CALL A DOCTOR IF NEEDED. SKIN:WASH WITH SOAP AND WATER. INGESTION:DRINK 2-4 GLASSES OF WATER, CALL A DOCTOR AT ONCE.

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

Flash Point:NONE

Extinguishing Media:WATER SPRAY, FOAM, CO2, DRY CHEMICAL.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA IN AN ENCLOSED AREA. REMOVE CONTAINERS FROM FIRE IF POSSIBLE.

Unusual Fire/Explosion Hazard:NONE KNOWN

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION; SCOOP UP IN DRY AND CLEAN CONTAINER AND KEEP FOR PROPER DISPOSAL.

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

Handling and Storage Precautions:STORE IN COOL, DRY AND WELL VENTILATED AREA. AVOID MOISTURE.

Other Precautions:DO NOT INHALE DUST.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATOR FOR DUST IF ABOVE TLV.

Ventilation:LOCAL/GENERAL TO KEEP DUST LEVEL BELOW THE TLV.

Protective Gloves:CHEMICAL RESISTANT

Eye Protection:SAFETY GLASSES

Other

Protective Equipment: APRON FOR SKIN PROTECTION.

Work Hygienic Practices: AVOID CONTACT WITH EYES AND SKIN. DO NOT BREATHE DUST.

Supplemental Safety and Health

AVOID SKIN CONTACT AND INHALATION OF DUSTS.

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

HCC:N1

Spec Gravity: 2.2

pH: 8.3

Solubility in Water: 7.8 G/100G WATER

Appearance and Odor: WHITE CRYSTALLINE POWDER, ODORLESS.

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

Stability Indicator/Material

s to Avoid: YES

ACIDS.

Stability Condition to Avoid: TEMPERATURES ABOVE 228F

Hazardous Decomposition Products: CARBON DIOXIDE.

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

Waste Disposal Methods: DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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