

SIGMA CHEMICAL COMPANY -- S2002 -- 6810-01-003-1078

===== Product Identification =====

Product ID:S2002

MSDS Date:07/16/1991

FSC:6810

NIIN:01-003-1078

MSDS Number: BGSQW

=== Responsible Party ===

Company Name:SIGMA CHEMICAL COMPANY

Address:3050 SPRUCE ST

Box:14508

City:ST. LOUIS

State:MO

ZIP:63103

Country:US

Info Phone Num:800-325-8070

Emergency Phone Num:314-771-5765

CAGE:21076

=== Contractor Ide

ntification ===

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 AZIDE (SARA III)

CAS:26628-22-8

RTECS #:VY8050000

Fraction by Wt: >99%

OSHA PEL:S, C 0.1 PPM(HN3)

ACGIH TLV:C 0.11 PPM; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mi

xture:ORL-RAT LD50 27 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 EFFECTS: MAY BE FATAL IF
INHALED, SWALLOWED, OR ABSORBED THROUGH SKIN. CHRONIC EFFECTS:
MAY ALTER GENETIC MATERIAL. TARGET ORGANS: NERVES, HEART, AND
BRAIN.

Explanation of Carcinogenicity:THIS COMPOUND IS NOT LISTED BY IARC,
NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:ACUTE EFFECTS: MAY CAUSE
EYE IRRITATION. MAY

CAUSE SKIN IRRITATION. EXPOSURE CAN CAUSE NAUSEA, HEADACHE AND
VOMITING.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR.
CALL A PHYSICIAN. SKIN: WASH SKIN WITH SOAP AND WATER. REMOVE
CONTAMINATED CLOTHING. CALL A PHYSICIAN. EYE: IMMEDIATELY FLUSH
EYES WITH PLEN TY OF WATER FOR AT LEAST 15 MINUTES

. CALL A

PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE
LARGE QUANTITIES OF WATER TO DRINK. GIVE NOTHING BY MOUTH IF
UNCONSCIOUS, CALL A PHYSICIAN.

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

Extinguishing Media:DO NOT USE WATER. DRY CHEMICAL POWDER.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

Unusual Fire/Explosion Hazard:CONTAINER EXPLOSION MAY OCCUR
UNDER FIRE

CONDITIONS. EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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

Spill Release Procedures:EVACUATE AREA, WEAR SCBA, RUBBER BOOTS & HEAVY
RUBBER GLOVES, SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE
DISPOSAL. AVOID RAISING DUST. VENTILATE AREA & WASH SPILL SITE
AFTER MATERIAL PICKUP IS COMPLE TE.

Neutralizing Agent:NONE

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

Handling and Storage Pre

cautions:WEAR APPROPRIATE NIOSH/MSHA-APPROVED
RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER
PROTECTIVE CLOTHING.
Other Precautions:USE ONLY IN A CHEMICAL FUME HOOD. SAFETY SHOWER AND
EYE BATH. DO NOT BREATHE DUST. DO NOT GET IN EYES, ON SKIN, ON
CLOTHING. AVOID PROLONGED OR REPEATED EXPOSURE. WASH THOROUGHLY
AFTER HANDLING. HIGHLY TOXIC. MUTAGEN. KEEP TIGHTLY CLOSED.

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

Respiratory Protection:WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR.
Ventilation:LOCAL AND MECHANICAL (GENERAL) VENTILATION AS REQUIRED TO
MAINTAIN VAPOR AND MIST CONCENTRATIONS BELOW PELS EST. BY OSHA
Protective Gloves:RUBBER (HEAVY)
Eye Protection:SAFETY GLASSES OR SAFETY GOGGLES
Other Protective Equipment:EYE WASH STATION, RUBBER BOOTS, SUITABLE
PROTECTIVE CLOTHING.
Work Hygienic Practices:WASH THOROUGHLY AFTER USE AND BEFORE EATING,
DRINKING OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
NONE

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

HCC:T3
Melt/Freeze Pt:M.P/F.P Text:527F,275C
Spec Gravity:1.85
Evaporation Rate & Reference:N/R (BUTYL ACETATE=1)
Solubility in Water:APPRECIABLE
Appearance and Odor:COLORLESS HEXAGONAL CRYSTALS
Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:NO
METALS, ACIDS, AND ACID CHLORIDES.
Stability Condition
to Avoid:EXPLODES WHEN HEATED.
Hazardous Decomposition Products:NITROGEN OXIDES

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

Waste Disposal Methods:PLEASE CONTACT THE TECHNICAL SERVICES
DEPARTMENT. BE SURE TO MENTION THE NAME, CATALOG NUMBER AND THE
QUANTITY OF THE MATERIAL. OBSERVE ALL FEDERAL, STATE AND LOCAL
ENVIRONMENTAL REGULATIONS.

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