

DELTA CHEMICAL CORP -- SODIUM HYPOCHLORITE -- 6810-01-029-5565

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

Product ID:SODIUM HYPOCHLORITE

MSDS Date:09/01/1987

FSC:6810

NIIN:01-029-5565

MSDS Number: BGFVK

=== Responsible Party ===

Company Name:DELTA CHEMICAL CORP

Address:2601 CANNERY AVE

City:BALTIMORE

State:MD

ZIP:21226-1510

Country:US

Info Phone Num:301-354-0100

Emergency Phone Num:301-354-0100

Chemtec I

nd/Phone:(800)424-9300

CAGE:7A345

=== Contractor Identification ===

Company Name:DELTA CHEMICAL CORP

Address:2601 CANNERY AVE

Box:City:BALTIMORE

State:MD

ZIP:21226-1510

Country:US

Phone:301-354-0100/800-424-9300(CHEMTREC)

CAGE:7A345

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

Ingred Name:SODIUM HYPOCHLORITE (SARA III)

CAS:7681-52-9

RTECS #:NH3486300

Fraction by Wt: 15%

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

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

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LD50 LC50 Mixture:LD50 (ORAL, RAT) FOR 5.25% = 13 G/KG

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

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

Health Hazards Acute and Chronic:INHALATION- FUMES FROM SPILLS ARE VERY IRRITATING TO MUCOUS MEMBRANES. SKIN- IRRITANT, SKIN DAMAGE. EYES- SEVERE IRRITATION. INGESTION- CAUSES IRRITATION OF MEMBRANES OF THE MOUTH, THROAT; POSSIBLE ULCERATION.

Effects of Overexposure:INHALTION- IRRITATION. SKIN- REDDENING OF THE

SKIN. EYES- IRRITATION. INGESTION- STOMACH PAIN.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES- COPIOUS EYE WASH WITH WATER FOR AT LEAST 15 MINUTES. CONSULT AN EYE SPECIALIST IMMEDIATELY. INHALATION- REMOVE PERSON TO FRESH AIR. INGESTION- IF ACCIDENTALLY SWALLOWED, DRINK WATER, MILK, AND OBTAIN MEDICAL ATTENTION. DO NOT USE BAKING SODA OR ACIDIC ANTIDOTES.

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

Flash Point:NONFLAMMABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:NONFLAMMABLE, USE MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:AVOID FUMES FROM SPILLED OR EXPOSED LIQUID, DILUTE COPIOUSLY, VENTILATE, AND BE PREPARED TO USE RESPIRATORY PROTECTION IF NEEDED. MAY PRODUCE IRRITATING FUMES.

Unusual Fire/Explosion Hazard:BLEACH DECOMPOSES WHEN HEATED; DECOMPOSITION PRODUCTS M

AY CAUSE CONTAINERS TO RUPTURE OR EXPLODE.

VIGORUS REACTION POSSIBLE WITH ORGANIC MATERIALS/OXIDIZERS.

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

Spill Release Procedures:FLUSH WITH WATER TO DILUTE AS MUCH AS POSSIBLE. AVOID HEAT AND CONTAMINATION WITH ACID MATERIALS. DO NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST TO ABSORB HYPOCHLORITE.

Neutralizing Agent:REDUCING AGENTS SUCH AS BISULFITES OR FERROUS SALT SOLUTIONS.

===== Handling a

nd Storage =====

Handling and Storage Precautions:STORE OUT OF HEAT, SUNLIGHT AND AWAY FROM ACIDS & REDUCING AGENTS.

Other Precautions:IF DILUTED WITH WATER AT A RATIO OF 1 TO 200 AND AERATED, END PRODUCTS ARE WATER, SALT AND OXYGEN.

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

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR DEVICE IN ACCORDANCE WITH EXPOSURE OF CONCERN.

Ventilation:LOCAL/MECHANICAL

Protective Gloves:RUBBER

Eye Protec

tion:SPLASH GOGGLES

Other Protective Equipment:SAFETY SHOWER, EYE WASH FOUNTAINS. POLYESTER AND RUBBER BOOTS FOR LIQUID PROTECTION.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

NONE

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

HCC:C1

Boiling Pt.=110.C, 230.F

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:1.20

pH:12

Eva

poration Rate & Reference:NOT GIVEN

Solubility in Water:COMPLETE

Appearance and Odor:LIGHT YELLOW WITH ODOR OF HOUSEHOLD BLEACH

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

Stability Indicator/Materials to Avoid:YES

HEAVY METALS, REDUCING AGENTS, ORGANICS, ETHER, AMMONIA, ACIDS.

Stability Condition to Avoid:HEAT, LIGHT, EXPOSURE, DECREASE IN PH AND CONTAMINATION.

Hazardous Decomposition Products:HYPOCHLOROUS ACID, CHLORINE, HYDROCHLORIC ACID. DECOMPOSITION PR

PRODUCTS VARY DEPENDING ON
CONDITIONS.

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

Waste Disposal Methods:REDUCE WITH CHEMICALS LISTED BELOW. KEEP ON
ALKALINE SIDE AND DILUTE WITH COPIOUS QUANTITIES OF WATER. MAIN END
PRODUCT IS SALT WATER.

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