

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  
Ind/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 =====

=====

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:INHALATION- 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.

=

===== 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

MAY CAUSE CONTAINERS TO RUPTURE OR EXPLODE.

VIGOROUS 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

and 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 Protection:

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

Evaporation 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 P

RODUCTS 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.

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.