

Hasa

BLEACH (12.5% SODIUM HYPOCHLORITE)

MANUFACTURER:

HASA, INC.
 735 11-MILE CORNER ROAD
 ELOY, ARIZONA 85231
 (602) 252-9800 (602) 466-3817
 HASA, INC.
 23119 DRAYTON STREET
 SAUGUS, CALIFORNIA 91350
 (805) 259-5848 (818) 361-1258
 EMERGENCY PHONE NO: (805) 259-5848

AUTOIGNITION TEMPERATURE: N/A

deg C deg F
 EXTINGUISHING MEDIA: N/A
 WATER SPRAY:
 WATER FOG:
 WATER STREAM:
 CO2:
 DRY CHEMICAL:
 EARTH OR SAND:
 ALCOHOL FOAM:
 FOAM:
 OTHER:

PRODUCT SPECIFICATIONS

PRODUCT NAME: BLEACH (12.5% SODIUM HYPOCHLORITE)
 (for industrial/commercial use only)

CODE NUMBER:
 CHEMICAL NAME AND MOLECULAR FORMULA (primary ingredient):
 Sodium Hypochlorite
 CAS NO.: 7681-52-9
 EPA REG. NO.: 10897-4-45310
 CHEMICAL FAMILY: Halogen compound
 SYNONYMS: Pool bleach, hypoc, pool chlorine, liquid pool chlorine
 GENERAL DESCRIPTION: Yellowish liquid with slight chlorine odor
 CHEMICAL NAME AND MOLECULAR FORMULA (Secondary Ingredient >1% by weight): N/A
 CAS NO.: N/A
 CHEMICAL FAMILY: N/A
 GENERAL DESCRIPTION: N/A

EMERGENCY FIRST AID

NOTE: Call Fire Dept., Paramedics, Emergency Ambulance Immediately
 INGESTION:
 INDUCE VOMITING:
 DO NOT INDUCE VOMITING: X
 GET MEDICAL ATTENTION: X
 GIVE PLENTY OF WATER:
 OTHER: Drink large quantities of gelatin solution or milk. If these are not available, drink large quantities of water. Do not give vinegar or other acids. Do not give any liquid to an unconscious person. Keep warm and wait for ambulance.
 DERMAL:
 FLUSH WITH SOAP AND WATER: X
 GET MEDICAL ATTENTION:
 CONTAMINATED CLOTHING (remove and launder): X
 CONTAMINATED SHOES (destroy): X
 OTHER:
 EYE CONTACT:
 FLUSH WITH PLENTY OF WATER FOR 15 MINUTES: X
 GET MEDICAL ATTENTION: X
 OTHER: X
 Hold eyelids open. If emergency personnel have not arrived within 15 minutes, flush an additional 15 minutes with water.
 INHALATION:
 REMOVE TO FRESH AIR: X
 IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION:
 GIVE OXYGEN:
 GET MEDICAL ATTENTION: X
 OTHER:

HAZARDOUS INGREDIENTS

MATERIALS OR COMPONENTS	%	HAZARD DATA
Sodium Hypochlorite	12.5	See toxicity section

PHYSICAL PROPERTIES

BOILING POINT/RANGE: Decomposes
 110 deg C 230 deg F
 MELTING POINT: N/A
 deg C deg F
 FREEZING POINT: N/A*
 deg C deg F
 CALCULATED MOLECULAR WEIGHT: 74.5
 SPECIFIC GRAVITY (H2O = 1): 1.22 @ 20 deg C
 VAPOR PRESSURE (mmHg): N/A
 VAPOR DENSITY (Air = 1): N/A
 SOLUBILITY IN WATER: Complete
 % VOLATILES BY VOLUME: 90.0%
 EVAPORATION RATIO: 1
 ETHER = 1:
 WATER = 1: X
 BUTYL ACETATE = 1:
 OTHER: N/A
 APPEARANCE AND ODOR: Yellowish liquid, slightly heavier than water with a mild chlorine odor.

SPECIAL PRECAUTIONS

PRECAUTIONARY LABELING:
 WASH THOROUGHLY AFTER HANDLING: X
 DO NOT GET IN EYES, ON SKIN OR CLOTHING: X
 DO NOT BREATHE VAPOR, MIST, GAS, DUST:
 KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES:
 STORE IN TIGHTLY CLOSED CONTAINERS: X
 DO NOT STORE NEAR COMBUSTIBLES:
 KEEP FROM CONTACT WITH CLOTHING AND OTHER COMBUSTIBLE MATERIALS: X
 EMPTY CONTAINER MAY CONTAIN HAZARDOUS RESIDUES: X
 USE EXPLOSION PROOF EQUIPMENT:
 KEEP CONTAINER CLOSED:
 OTHER HANDLING AND STORAGE CONDITIONS: X
 Do not mix with feces, urine, ammonia, acids, detergents, other pool chemicals. Hazardous gases may be evolved.

FIRE & EXPLOSION DATA

FLASH POINT: N/A
 deg C deg F
 TEST METHOD: N/A
 FLAMMABLE LIMITS: N/A
 LOWER %:
 UPPER %:

Hasa

BLEACH (12.5% SODIUM HYPOCHLORITE)

 SPILL OR LEAKAGE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR OTHERWISE

RELEASED:

FLUSH WITH WATER: X

ABSORB WITH SAND OR INERT MATERIAL:

NEUTRALIZE:

SWEEP OR SCOOP UP AND REMOVE:

KEEP UPWIND; EVACUATE CLOSED SPACES:

PREVENT SPREAD OR SPILL: X

DISPOSE OF IMMEDIATELY:

AVOID BREATHING GASES OR VAPORS:

REMOVE SOURCES OF IGNITION:

With small spill dilute with water and flush to sanitary sewer. With large spills, neutralize with sodium sulfite, bisulfite or thiosulfite, and then flush to sanitary sewer.

WASTE DISPOSAL METHOD (Note: Consult Federal, State, or Local Authorities for Proper Disposal Procedures. Permits may be required.):

ENVIRONMENTAL HAZARD: X

DO NOT DISPOSE OF IN LAKES, STREAMS, PONDS OR PUBLIC WATERS: X

DILUTE WITH WATER AND FLUSH INTO SANITARY SEWER: X

DO NOT CONTAMINATE FOOD OR FEED: X

OTHER:

 SHIPPING

DOT SHIPPING NAME, HAZARD CLASSIFICATION, AND UN NUMBER:

12.5% Sodium Hypochlorite, Corrosive Material, UN 1791

(note this is shipping name for bulk shipments. For 14-55 gallon drums add "DOT-E-6637", for 4/1 gallon returnable bottles, add "DOT-E-6614," and for 2/1 gallon "throwaway containers" add "DOT-E-7943." Containers above 14 gallons, precede "12.5% Sodium ..." by "RQ"

PLACARD REQUIRED: Corrosive placards above minimum load

OTHER: On deposit or "returnable" containers, closures must be securely re-applied. Return shipments described "Empty container, last contained (add description of original lading)

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representation as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s). A request has been made to the manufacturer to approve the contents of this material safety data sheet. Upon receipt a new MSDS will be made available.

COMPAS Code: 39040020