

MATERIAL SAFETY DATA SHEET

PART NUMBER: R-260
IDENTITY: Sodium Hypochlorite Solution
MANUFACTURER: ROSEMOUNT ANALYTICAL INC.
ADDRESS: 2400 BARRANCA PARKWAY
IRVINE, CA 92606
TELEPHONE: 949/757-8500
(1-800-424-9300 24 Hr. CHEMTREC/ CODE: RANA)

DATE REVISED: 01/26/11
PREPARED BY: R. MORRISON
REVISED BY: T. PHILLIPS

SECTION 1--MATERIAL IDENTIFICATION AND INFORMATION

Table with 6 columns: COMPONENTS, CAS#, %, OSHA PEL, ACGIH TLV, OTHER LIMITS RECOMMENDED. Rows include Sodium Hypochlorite (1.0%) and Non-hazardous ingredients (99.0%).

No health hazard or other information is available for the solution of the mixture. The following sections are based on information obtained from http://www.jtbaker.com/msds/englishhtml/S4106.htm and our best scientific understanding of the solution.

SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 100°C
SPECIFIC GRAVITY (H2O = 1): 1.0
VAPOR PRESSURE (mm Hg/TEMPERATURE): 17.5 @ 20C (68F)
MELTING POINT: aqueous solution
VAPOR DENSITY (AIR = 1): No information found.
EVAPORATION RATE ( = 1): No information found
SOLUBILITY IN WATER: 100%
WATER REACTIVE: only soluble
APPEARANCE AND ODOR: Clear, light yellow, pungent odor

SECTION 3--FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD USED: NOT FLAMMABLE
AUTO IGNITION TEMPERATURE: N/A
FLAMMABILITY LIMITS IN AIR % BY VOLUME: N/A
LEL: N/A
UEL: N/A
EXTINGUISHER MEDIA: any
SPECIAL FIRE FIGHTING PROCEDURES: none
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

SECTION 4--REACTIVITY HAZARD DATA

STABILITY: STABLE\_\_\_ UNSTABLE\_x
CONDITIONS TO AVOID: Light, heat, incompatibles
INCOMPATIBILITY (MATERIALS TO AVOID: Ammonia (chloramine gas may evolve), amines, ammonium salts, aziridine, methanol, phenyl acetonitrile, cellulose, ethyleneimine, oxidizable metals, acids, soaps, and bisulfates.
HAZARDOUS DECOMPOSITION PRODUCTS: Emits toxic fumes of chlorine when heated to decomposition. Sodium oxide at high temperatures.
HAZARDOUS POLYMERIZATION: MAY OCCUR\_\_\_ WILL NOT OCCUR\_x
HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: N/A

**SECTION 5--HEALTH HAZARD DATA:** R-260

PRIMARY ROUTES OF ENTRY: INHALATION x SKIN ABSORPTION x  
INGESTION x NOT HAZARDOUS    

CARCINOGEN LISTED: NTP     IARC     OSHA     NOT LISTED x

HEALTH HAZARDS

ACUTE: Unknown

CHRONIC: A constant irritant to the eyes and throat. Low potential for sensitization after exaggerated exposure to damaged skin.

SIGNS AND SYMPTOMS OF EXPOSURE: **WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO EYES AND RESPIRATORY TRACT. CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY.**

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Persons with impaired respiratory function, or heart disorders (or disease) may be more susceptible to the effects of the substance.

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately

SKIN CONTACT: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

INGESTION: If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately

**SECTION 6--CONTROL AND PROTECTIVE MEASURES**

RESPIRATORY PROTECTION (SPECIFY TYPE): NIOSHA/OSHA APPROVED RESPIRATOR (N95 filters)

PROTECTIVE GLOVES:yes

EYE PROTECTION:yes

VENTILATION TO BE USED

LOCAL EXHAUST:x

MECHANICAL (GENERAL):

SPECIAL:

OTHER (SPECIFY):

PROTECTIVE CLOTHING AND EQUIPMENT:lab coat, goggles, gloves, respirator (optional for a 1% solution)

HYGIENIC WORK PRACTICES:yes

**SECTION 7--PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES**

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Ventilate area of leak or spill.

WASTE DISPOSAL METHODS: Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste

RATING: HEALTH 2 FLAMMABILITY 0 REACTIVITY 1 SPECIFIC NONE