



1. CHEMICAL PRODUCT INFORMATION:

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| PRODUCT NAME | STA-BRIGHT BLEACH |
| CHEMICAL FAMILY | Hypochlorite |
| FORMULA | NaOCL in water |
| EPA REG. NO. | 43922-20004 |
| DESCRIPTION | Clear light greenish yellow liquid with Chlorine odor. |
| MANUFACTURER | Chem-Bright Industries, Inc. 12336 Emerson Dr., Brighton, MI 48116 |
| EMERGENCY TELEPHONE NO | Call you local poison control center or call 1-313-745-5711 |

2. COMPOSITION / INFORMATION ON INGREDIENTS:

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| INGREDIENTS | Sodium Hypochlorite, 5.25% by weight |
| WORK EXPOSURE LIMIT | None established |

None of the ingredients in this product are on the IARC, NIP, or OSHA carcinogen list.

3. PRECAUTIONS FOR SAFE HANDLING AND STORAGE:

DANGER: KEEP OUT OF REACH OF CHILDREN

CAUTION: Do not take internally. Harmful if swallowed. Corrosive, may cause severe skin irritation or chemical burns to broken skin. Causes eye damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until odors have dissipated.

PROPER STORAGE AND DISPOSAL REQUIREMENTS:

Store in a cool, dry area away from direct sunlight. In case of spill, flood area with large quantities of water. Rinse empty container thoroughly with water and either return to manufacturer or discard by placing in trash collection or burying in an approved landfill. Product or residue that cannot be used should be diluted with water and disposed of in a sanitary sewer. Do not contaminate food, or feed by storage, disposal or cleaning of equipment. Store in an upright position.

12336 Emerson Drive, Brighton, Michigan 48116

TELEPHONE (248) 437-1900

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MEMBER



4. PHYSICAL DATA

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|----------------------------|----------------------------------|
| APPEARANCE | Light greenish yellow liquid |
| FREEZING POINT | -5.5 degrees F (-3.05 degrees C) |
| BOILING POINT | 212 degrees F (100 degrees C). |
| | Decomposes on heating. |
| DECOMPOSITION TEMPERATURES | Decomposes as heated |
| SPECIFIC GRAVITY | 1.083 @ 20 degrees C |
| POUNDS PER GALLON | 9.03 |
| PH | 11.4 |
| VAPOR PRESSURE (MMHg) | 16 |
| VAPOR DENSITY | 19.2 |
| SOLUBILITY IN WATER | Complete |

5. PERSONAL PROTECTIVE EQUIPMENT:

PERSONAL PROTECTION FOR ROUTINE USE OF PRODUCT:

RESPIRATORY PROTECTION: Respiratory protection not normally needed since the volatility and toxicity are low. Use NIOSH/MSHA approved respirator appropriate for this product when vapors, mists or aerosols are generated.

VENTILATION: Local exhaust ventilation is recommended if vapors, mists or aerosols are generated. Otherwise, use general exhaust ventilation.

SKIN PROTECTIVE EQUIPMENT: Use general safety goggles and impermeable gloves.

EQUIPMENT SPECIFICATIONS:

RESPIRATOR TYPE NIOSH/MSHA approved respirator equipped with chemical cartridges for protection against chlorine gas and dust mist pre-fillers. Use when permissible exposure limits are exceeded.

GLOVE TYPE Use rubber or neoprene gloves

BOOT TYPE Rubber

APRON TYPE Rubber

GOGGLES Use chemical goggles or face shield for eye protection.

SAFETY SHOWER AND EYE WASH FOUNTAIN SHOULD BE LOCATED NEARBY.

6. REACTIVITY INFORMATION:

FAIRLY STABLE UNDER NORMAL USE AND STORAGE CONDITIONS. STABILITY DECREASES WITH CONCENTRATION, HEAT, LIGHT, EXPOSURE, DECREASE IN pH, AND EXPOSURE TO HEAVY METALS. STRONG OXIDIZING AGENT.

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INCOMPATIBILITY Acids, ammonia, alcohols, amines, chlorinated cyanurates, cyanides, detergents, ethers, hydrocarbons, oxidizable materials, organic compounds, heavy metals and household chemicals, such as toilet bowl cleaners, rust removers, vinegar and acids.

HAZARDOUS DECOMPOSITION PRODUCTS Hypochlorous Acid (HOCl) chlorine and Hydrochloric Acid. Additional decomposition products. Which depend upon pH, temperature and time, are Sodium Chloride, Sodium Chlorite and oxygen.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMETIZATION
Will not occur.

7. FIRST AID:

EYES Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Call a physician at once.

SKIN Immediately flush with water for at 15 minutes. Call a physician. If clothing comes in contact with the product, the clothing should be removed immediately and should be laundered before re-use.

INGESTION Immediately drink large quantities of water. DO NOT induce vomiting. Call a physician at once. DO NOT give anything by mouth if person is unconscious or if having convulsions.

INHALATION If person experiences nausea, headache or dizziness, person should stop work immediately and move to fresh air until these symptoms disappear. If breathing is difficult, administer oxygen, keep the person warm and at rest. Call a physician in the event that an individual inhales enough vapors to lose consciousness, person should be moved to fresh air at once and a physician should be called immediately. If breathing has stopped, artificial respiration should be given immediately. In cases, ensure adequate ventilation and provide respiratory protection before the person returns to work.

8. FIRE AND EXPLOSION INFORMATION:

FLAMMABLE No

COMBUSTIBLE No

PYROPHORIC No

FLASH POINT Not applicable

AUTOIGNITION TEMPERATURE Not applicable

FLAMMABLE LIMITS AT NORMAL ATMOSPHERIC TEMPERATURE AND PRESSURE (PERCENT VOLUME IN AIR) LEL-not applicable UEL-not applicable

NFPA RATINGS Not established

HMIS RATINGS Health-3 Flammability-0 Reactivity-2

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

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9. SPILL AND LEAK PROCEDURE INFORMATION:

- SPILL** Flood with large quantities of water. Product or rinsates that cannot be used should be diluted with water before disposal.
- WASTE DISPOSAL** Flush with large quantities of water in accordance with federal, state, and local ordinances.
- STORAGE** Always keep upright in a cool, dry place away from sun, heat, open flame, ammonia, and acid.
- WHEN TRANSPORTING MAKE SURE CAP IS TIGHT. LOAD CONTAINER SECURELY IN AN UPRIGHT POSITION. NEVER TRANSPORT THIS PRODUCT IN PASSENGER COMPARTMENTS.**

10. WASTE DISPOSAL INFORMATION:

If this product becomes waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a nonhazardous liquid waste it should be disposed of in accordance with local, state, and federal regulations by treatment in a wastewater treatment system.

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THIS MATERIAL. THE USER OF THIS MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best of our knowledge. The data on this sheet relates only to the specific material designated herein. We assume no legal responsibility for use or reliance upon these data.

The reason for issue of this Material Safety Data Sheet is an update of the total MSDS issued November 8, 2001. It was approved for issue on September 17, 2003.