

MSDS - Material Safety Data Sheet

I. Basic Information:

Manufacturer: U.N.X. INCORPORATED
Address: 707 ARLINGTON BLVD.
City, ST Zip: GREENVILLE, NC 27858
Country: USA

Contact: AMENDT; WILSON
Information Telephone Number: 252-756-8616
Emergency Contact: CHEMTEL
Emergency Telephone Number: 800-255-3924
Emergency Restrictions:

Product Name: BONUS
MSDS No.: 196

Issue Date: 02/14/2002
Supersedes Date: Not Available

II. Hazards Identification:

EMERGENCY OVERVIEW

INHALATION, CAN IRRITATE, NOSE, THROAT, AND LUNGS.
 SKIN CONTACT, CAN CAUSE TISSUE DESTRUCTION, WITH LONG TERM EXPOSURE.
 INGESTION, SEVERE INTERNAL IRRITATION AND DAMAGE CAN RESULT IF TAKEN BY MOUTH.

OSHA Regulatory Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product.

Potential Health Effects

Route(s) of Entry:

SKIN, EYES, INHALATION

Health Hazards (Acute and Chronic):

PRODUCT, CAN BE DESTRUCTIVE TO TISSUE. SKIN BURNS CAN BE PRODUCED. CONTACT WITH EYES CAN CAUSE PERMANENT DAMAGE.

Signs and Symptoms:

INHALATION, CAN IRRITATE, NOSE, THROAT, AND LUNGS.
 SKIN CONTACT, CAN CAUSE TISSUE DESTRUCTION, WITH LONG TERM EXPOSURE.
 INGESTION, SEVERE INTERNAL IRRITATION AND DAMAGE CAN RESULT IF TAKEN BY MOUTH.

Medical Conditions Generally Aggravated by Exposure:

NONE KNOWN

Other Health Warnings:

NONE

Potential Environmental Effects

NONE KNOWN

III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
Sodium hypochlorite	7681529	Not Available	

IV. First Aid Measures:

Emergency and First Aid Procedures:

FOR SKIN, FLUSH THOROUGHLY WITH WATER UNTIL "SLIPPERY" FEELING IS GONE.
 FOR EYES, FLUSH WITH WARM WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN.
 IF INGESTED, DRINK LARGE VOLUMES OF WATER FOLLOWED BY MILD ACIDS SUCH AS 5% ACETIC ACID, ORANGE JUICE, OR ANY CITRUS JUICE. DO NOT INDUCE VOMITING. CALL PHYSICIAN.

Note to Physicians:

EYES, FLUSH WITH WATER FOR AT LEAST 15 MINUTES.
 DO NOT INDUCE VOMITING.

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V. Fire Fighting Measures:

Suitable Extinguishing Media:

FLOOD WITH WATER

Unsuitable Extinguishing Media:

NONE KNOWN

Products of Combustion:

EXPLOSIVE HYDROGEN GAS CAN BE RELEASED.

Protection of Firefighters:

USE NIOSH CERTIFIED GAS MASK WITH CANISTER FOR CHLORINE. IF POSSIBLE REMOVE CONTAINER TO OPEN AIR AND FLOOD WITH WATER.

VI. Accidental Release Measures:

Personal Precautions:

RUBBER GLOVES SHOULD BE WORN.
SAFETY GOGGLES SHOULD BE WORN.

Environmental Precautions:

NONE KNOWN

Methods for Containment:

DIKE; APPROVED PLASTIC CONTAINERS

Methods for Cleanup:

FOR SMALL SPILLS, MATERIAL SHOULD BE DELUGED WITH WATER AND DISPOSED TO SEWER.
FOR LARGE SPILLS, MATERIAL SHOULD BE DIKED AND DELUGED UNTIL REACTION IS QUENCHED. SOLUTION SHOULD BE CAREFULLY NEUTRALIZED WITH A REDUCING AGENT.

Other Information:

Not Available

VII. Handling and Storage:

Handling Precautions:

KEEP CONTAINER CLOSED.

Storage Precautions:

DO NOT STORE IN DIRECT SUNLIGHT. AVOID MIXING WITH DRY SOUR IN WASHWHEEL SUPPLY DISPENSER.

VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Sodium hypochlorite	2mg/m3	2mg/m3	Not Available

Engineering Controls:

AVOID BREATHING MIST. IF EXPOSURE IS LIKELY, USE FILTER OR PROTECTIVE RESPIRATOR. MECHANICAL VENTILATION IS ACCEPTABLE.

Personal Protective Equipment:

RUBBER GLOVES SHOULD BE WORN.
SAFETY GOGGLES SHOULD BE WORN.
OTHER PROTECTIVE MEASURES: HAVE AN EYE BATH AND SAFETY SHOWER CLOSE BY. IF POTENTIAL FOR SKIN CONTACT, WEAR PROTECTIVE GLOVES AND HAVE A HAND WASH AREA NEAR BY (ie. SOAP SOLUTION.).
WORK/HYGIENIC PRACTICES: WASH HANDS, CHANGE OUT OF CLOTHES AS SOON AS POSSIBLE. WASH CLOTHES. SHOWER OR BATHE AS SOON AS POSSIBLE.

IX. Physical and Chemical Properties:

Boiling Point: 100°C

Boiling Range: NO DATA

Solubility In Water: EXCELLENT

Melting Point: -25°C

Freezing Point: NO DATA

Evaporation Rate (Butyl Acetate = 1): NO DATA

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Flash Point: N/A

Flash Point Method: N/A

Odor Threshold: NO DATA

Appearance and Odor:

Vapor Density (AIR = 1): NO DATA

Vapor Pressure (mm Hg.): NO DATA

pH Range: 12.5 - Above

Partition Coefficient: NO DATA

Decomposition Temp: NO DATA

Auto-Ignition Temp: NO DATA

Lower Explosive Limit: N/A

Upper Explosive Limit: N/A

Specific Gravity (H2O = 1): 1.17260

Other Information: THIS PRODUCT DOES NOT CONTAIN PHOSPHATES.

X. Stability and Reactivity:

Stability:

STABLE

Conditions to Avoid:

AVOID CONTACT WITH ACIDS AND ORGANIC COMBUSTIBLE AGENTS.

Incompatible Materials:

ALL ORGANIC COMPOUNDS, ESPECIALLY NITROGEN AGENTS, REDUCING AGENTS, OXIDIZABLE OR COMBUSTIBLE ORGANIC MATERIAL, ACIDS, AND ALKALI.

Hazardous Decomposition Products:

EXPLOSIVE HYDROGEN GAS CAN BE RELEASED.

Possibility of Hazardous Reactions:

BILLOWING WHITE SMOKE MAY OCCUR.

XI. Toxicological Information:

CONTACT U.N.X. INCORPORATED

XII. Ecological Information:

CONTACT U.N.X. INCORPORATED

XIII. Disposal Considerations:

FOR A SMALL SPILL, IMMEDIATELY HOSE DOWN WITH COOL WATER AND DISPOSE DOWN DRAIN. FOR LARGE SPILLS, DIKE, COLLECT AND ADD SLOWLY TO A LARGE VOLUME OF COOL WATER WITH CONSTANT STIRRING. THEN SLOWLY NEUTRALIZE TO A pH OF 7.0 WITH MURATIC OR PHOSPHORIC ACID SOLUTIONS. DISPOSE OF DOWN DRAIN AFTER APPROVAL OF APPROPRIATE AUTHORITIES. CLEAN AND NEUTRALIZE ALL AREAS OF CONTACT.

XIV. Transport Information:

Shipping Name: HYPOCHLORITE SOLUTION

DOT Hazard Class: 8

DOT Subsidiary Hazard Class: Not Available

UN/NA#: UN 1791

MSDSPackGroup: III

Transportation Information:

UN 1791

DOT HAZARD CLASS: 8

LABEL: CORROSIVE

PG: III

PROPER SHIPPING NAME: HYPOCHLORITE SOLUTION

XV. Regulatory Information:

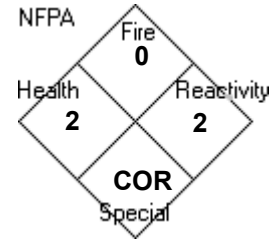
UNLESS OTHERWISE NOTED, NO COMPONENTS ARE SARA TITLE 3 SECTION 313 40 CFR LISTED MATERIALS. THE INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. THIS PRODUCT IS NOT MADE WITH VOC'S THAT COULD CAUSE DAMAGE TO THE OZONE LAYER.

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XVI. Other Information:

Chemical State: Liquid Gas Solid
Chemical Type: Pure Mixture

Hazard Category:
 Acute Chronic Fire
 Pressure Reactive



Additional Manufacturer Warnings:

Not Available

2	Health
0	Flammability
2	Physical Hazard
C	Pers. Protection

Additional Product Information:

SANITIZER