MATERIAL SAFETY DATA SHEET (MSDS)

MANUFACTURER/DISTRIBUTOR NAME:

H&S MANUFACTURING, INC.

ADDRESS:

727 EAST BROADWAY WILLISTON, ND 58801

EMERGENCY TELEPHONE NUMBER:

CONTACT YOUR LOCAL POISON

INFORMATION CENTER.

TECHNICAL (24HR) PHONE: EFFECTIVE DATE: 1/1/2004 800/827-3091

PRODUCT NAME: CHLORINE CONCENTRATE

IDENTIFICATION

HMIS: HEALTH 0/0

HAZARDOUS COMPOSITION (>1%): SODIUM HYPOCHLORITE (<6%)

INERT INGREDIENTS (>94%) CHEMICAL FORMULA: N/A

REACTIVITY 1/1

MOLECULAR WEIGHT: N/A CAS NUMBER: 7681-52-9

SPECIAL N/A

FIRE 0/0

CTFA ADOPTED NAME: N/A SYNONYMS: N/A

PHYSICAL DATA

BOILING POINT(DEGREES F): 217 MELTING POINT: N/A

SPECIFIC GRAVITY (WATER=1): 1.087

VAPOR DENSITY (AIR=1): 19.2 SATURATION IN AIR:

FREEZING POINT: N/A VAPOR PRESSURE (MM HG.): 16

PH: 12.4

EVAPORATION RATE(*=1): N/A

AUTO IGNITION TEMP: N/A

VOLATILES BY WEIGHT (%): 88

SOLUBILITY IN WATER: COMPLETE

APPEARANCE/ODOR: PALE YELLOW LIQUIL WITH TYPICAL

LIQUID BLEACH ODOR.

FLASH POINT (F)/METHOD USED: N/A

FLAMMABLE LIMITS(LEL/UEL): N/A

REACTIVITY

STABILITY: UNSTABLE

CONDITIONS TO AVOID: SEE INCOMPATIBILITY BELOW.

POLYMERIZATION (HAZERDOUS): WILL NOT OCCUR INCOMPATIBLE MATERIALS: ACIDS. AMMONIA, ORGANIC COMPOUNDS, HEAVY METALS AND SALTS THEREOF, AND OXIDIZING OR

REDUCING COMPOUNDS.

HAZARDOUS DECOMPOSITION PRODUCTS: CHLORINE, CHLORIND DIOXIDE, CHLORAMINES

ENVIRONMENTAL IMPACT

APPLICABLE REGULATIONS: N/A

DOT/ERP HAZARD CLASS: N/A

SHIPPING NAME: SEE PRODUCT NAME

HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LIMITS (PEL): N/A

THRESHOLD LIMIT VALUES (TLV): N/A

WARNING SIGNALS: RESPIRATORY, OCULAR IRRITATION

EFFECTS OF OVER EXPOSURE: INHALATION: RESPIRATORY TRACT IRRITATION, PULMONARY EDEMA. INGESTION: MAY CAUSE BURNING SENSATION & IRRITATION OF MUCOUS MEMBRANES WITH PROMPTEMESIS. SKIN: VESICULAR ERUPTIONS AND EXZEMATOID DERMATITUS. EYES: IRRITATION-

MILD TO MODERATE FROM VAPORS.

EXPOSURE CONTROL METHODS

ENGINEERING: NONE EYE PROTECTION: NONE SKIN PROTECTION: NONE

RESPIRATORY

PROTECTION: NONE

WORK PRACTICES

HANDLING: USE NORMAL PRECAUTIONS FOR HANDLING CAUSTIC SUBSTANCES.

STORAGE: SHOULD BE STORED BELOW 90 DEGREES F. SHOULD NOT BE EXPOSED TO DIRECT

SUNLIGHT FOR EXTENDED PERIODS OF TIME.

WASTE DISPOSAL: FLUSH WITH WATER TO SEWER IN ACCORDANCE WITH FEDERAL, STATE AND

LOCAL ORDINANCES. CHLORINE CONCINTRATE CONT....

EMERGENCY PROCEDURES

FIRE & EXPLOSION HAZARD: BLEACH DECOMPOSES WHEN HEATED TO HIGH TEMPERATURES; USE RESPIRATORY PROTECTION. DECOMPOSITION PRODUCTS MAY CAUSE: CONTAINERS TO RUPTURE. EXTINGUISHING METHODS: N/A RELEASE: TO ENVIRONMENT/SPILL PROCEDURES: AVOID

FUMES FROM SPILLED LIQUIDS, DILUTE COPIOUSLY.

FIRST AID AND MEDICAL EMERGENCY PROCEDURES

EYES: RINSE THOROUGHLY WITH WATER, SEEK MEDICAL ASSISTANCE

SKIN: RINSE THOROUGHLY WITH WATER

INHALATION: REMOVE TO FRESH AIR, SUPPORT RESPIRATION

INGESTION: SWALLOW IMMEDIATELY MILK, EGG WHITE, MILK OF MAGNESIA, OR STARCH PASTE.