

I MANUFACTURER AND PRODUCT IDENTIFICATION

DATE: 01/04/06
 TRADE NAME: AC/DC ALL CLEAR DRAIN CLEANER
 GENERAL OR GENERIC ID: ALKALINE CLEANER
 MANUFACTURER: ATLANTIC SOLUTIONS, INC.
 125 N. CHATHAM PARKWAY
 CHAPEL HILL, NC 27517
 (800) 476-0895 (919) 933-4250
 24 HR. INFOTRAC NUMBER: (800) 535-5053

HMIS RATING: HEALTH (3) FLAMMABILITY (0) REACTIVITY (2) PROTECTION (C)
 4 = EXTREME, 3 = HIGH, 2 = MODERATE, 1 = SLIGHT, 0 = INSIGNIFICANT * = CHRONIC HAZARD

II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS#	ACGIH / TLV	OSHA PEL	%OPTIONAL
SODIUM HYDROXIDE	1310-73-2	2MG/M3	2MG/M3	
SODIUM CARBONATE	0497-19-8			
SODIUM CHLORIDE	7647-14-5			

III PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING RANGE: 289F
 VAPOR PRESSURE (mm hg): 1.5MMHG
 VAPOR DENSITY, (AIR = 1): NA
 SOLUBILITY IN WATER: COMPLETE
 pH: 13.8
 APPEARANCE AND ODOR: CLEAR LIQUID, ODORLESS

SPECIFIC GRAVITY (WATER = 1): 1.50
 FREEZING POINT: 58F
 EVAPORATION RATE (BUTYLACETATE = 1): NA

IV FIRE AND EXPLOSION DATA

FLASH POINT, (METHOD USED): NONE LEL: NA UEL: NA
 FLAMMABLE LIMITS: N/A
 EXTINGUISHING MEDIA: NON COMBUSTIBLE
 FIRE FIGHTING PROCEDURES: KEEP DRUMS COOL TO PREVENT RUPTURE DUE TO STEAM BUILD UP
CAUTION: MATERIAL IS CORROSIVE! CAUSTIC CAN REACT WITH AMPHOTERIC METALS (SUCH AS ALUMINUM) GENERATING HYDROGEN WHICH IS FLAMMABLE AND/OR EXPLOSIVE IF IGNITED!
 UNUSUAL FIRE AND EXPLOSION HAZARDS: WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

V REACTIVITY DATA

STABILITY DATA: PRODUCT ABSORBS CARBON DIOXIDE FROM THE AIR. KEEP CONTAINER CLOSED.
 CONDITIONS TO AVOID: PRODUCT WILL FREEZE AT 58F. ALWAYS ADD THIS PRODUCT TO WATER IN THAT ORDER AVOIDING LARGE CONCENTRATIONS OF THIS PRODUCT IN ONE AREA - NEVER ADD WATER TO THIS PRODUCT!!
 INCOMPATIBILITY (MATERIALS TO AVOID): AVOID WATER AND STRONG ACIDS. MAY REACT VIOLENTLY WITH WATER, ACID, AND A NUMBER OF ORGANIC COMPOUNDS. CAUSTIC REACTS RAPIDLY WITH BRONZE AND BRASS.
 HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NA
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

VI HEALTH HAZARD DATA

ROUTES OF ENTRY-SIGNS AND SYMPTOMS:

INHALATION: DUSTS OR MISTS MAY CAUSE SEVERE IRRITATION TO UPPER RESPIRATORY TRACT.
SKIN: SHORT SINGLY EXPOSURE MAY CAUSE SEVERE SKIN BURNS.
EYES: MAY CAUSE SEVERE IRRITATION . MAY BE DESTRUCTIVE TO EYE TISSUE UPON CONTACT.
INGESTION: MAY CAUSE GASTROINTESTINAL IRRITATION OR ULCERATION AND SEVERE BURNS OF MOUTH AND THROAT.

EMERGENCY FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR, IF BREATHING IS DIFFICULT, GIVE OXYGEN; SEEK MEDICAL ATTENTION.
INGESTION: DO NOT INDUCE VOMITING; GIVE WATER/MILK TO DILUTE; GET IMMEDIATE MEDICAL ATTENTION!
EYE CONTACT: WATER IS THE ONLY ACCEPTED METHOD OF REMOVAL OF CAUSTIC SODA FROM THE EYES. YOU MAY HAVE 10 SECONDS OR LESS TO AVOID SERIOUS PERMANENT INJURY. IMMEDIATE FIRST AID MUST BE GIVEN. IMMEDIATELY FLUSH EYES WITH WATER KEEPING EYELIDS APART FOR AT LEAST 30 MINUTES WHILE CONSULTING PHYSICIAN.
SKIN CONTACT: IMMEDIATE, CONTINUED THOROUGH WASHING IN FLOWING WATER FOR 30 MINUTES IS IMPERATIVE WHILE REMOVING CLOTHING. CONSULT PHYSICIAN. WASH CLOTHING.

HEALTH HAZARDS: (ACUTE AND CHRONIC):

ACUTE: CORROSIVE TO ALL BODY TISSUE
CHRONIC: VARYING DEGREES OF IRRITATION CAN OCCUR DEPENDANT UPON WHETHER TLV IS EXCEEDED.

CARCINOGENICITY: NTP? NO IARC? NO MONOGRAPHS? NO OSHA REGULATED? NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: WILL AGGRAVATE PRE-EXISTING SKIN, EYE, OR RESPIRATORY DISORDERS.

VII PRECAUTIONS FOR DISPOSAL, SAFE HANDLING, AND USE

SMALL SPILLS: ONLY TRAINED AND PROPERLY PROTECTED PERSONNEL SHOULD BE INVOLVED IN SPILL CLEANUP OPERATIONS. ACTING CAUTIOUSLY, SMALL ACCIDENTAL SPILLS OF THIS PRODUCT SHOULD BE CAREFULLY FLUSHED WITH WATER. DILUTED ACID, PREFERRABLY ACETIC ACID, MAY BE USED TO NEUTRALIZE ONLY THE FINAL TRACES OF THIS PRODUCT AFTER FLUSHING.

LARGE SPILLS: WITH PROPER SAFETY PROTECTION, SHOVEL MATERIAL INTO APPROVED CONTAINER. NEUTRALIZE REMAINING TRACES WITH ANY DILUTED ACID, PREFERRABLY ACETIC ACID.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT FROM EXTREME TEMPERATURES. STORE ABOVE 58 DEGREES FAHRENHEIT. STORE AWAY FROM ACIDS.

OTHER PRECAUTIONS: AVOID BODY CONTACT WITH THIS PRODUCT AS WITH ALL CHEMICALS.

VIII CONTROL MEASURES

RESPIRATOR PROTECTION: NOT NORMALLY REQUIRED FOR WELL VENTILATED APPLICATIONS NIOSH APPROVED DUST MSK REQUIRED IF AIRBORNE PARTICLES PRESENT IN SUFFICIENT QUANTITIES TO CAUSE RESPIRATORY IRRITATION.

VENTILATION: CONTROL AIRBORNE CONCENTRATIONS BELOW THE EXPOSURE GUIDELINE. GOOD GENERAL VENTILATION SUFFICIENT FOR MOST OPERATIONS

PROTECTIVE GLOVES: RUBBER OR NEOPRENE.

EYE PROTECTION: WEAR CHEMICAL SAFETY GOGGLES WITH SIDE SHIELDS, FULL FACE SHIELD
CAN BE DESIRED TO PROTECT FACE.

IX TRANSPORTATION

DOT SHIPPING NAME: CORROSIVE LIQUID, BASIC, INORGANIC, n.o.s., (CONTAINS SODIUM HYDROXIDE)

HAZARD CLASS: 8

IDENTIFICATION NO: UN3266

PACKING GROUP: II

SPECIAL PRECAUTIONS / OTHER COMMENTS

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE SO. USERS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT INFORMATION IS CURRENT, APPLICABLE AND SUITED TO THE CIRCUMSTANCES OF USE. VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSONS PROXIMATELY CAUSED BY THE MATERIAL IF REASONABLE SAFETY PROCEDURES ARE NOT ADHERED TO AS STIPULATED IN THE DATA SHEET. FURTHERMORE, VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY CAUSED BY ABNORMAL USE OF THIS MATERIAL EVEN IF REASONABLE SAFETY PROCEDURES ARE FOLLOWED.