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DATE OF ISSUE
05/22/90SUPERSEDES
05/22/90

SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS N/A	TRADE NAME & SYNONYMS WT-40	
CHEMICAL FAMILY ALKALINE BOILER TREATMENT	FORMULA X--MIXTURE	
MANUFACTURERS NAME: CERTIFIED LABS, DIV. OF NCH CORP.		
ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE) BOX 152170 IRVING, TEXAS 75015		
PREPARED BY: KELLY K. RAHN	PRODUCT CODE NUMBER 0342	EMERGENCY TELEPHONE NUMBER 214-438-1381

SECTION II- HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS.

CHEMICAL NAME (INGREDIENTS)	HAZARD	TLV	PEL	CAS#
SODIUM HYDROXIDE	CORROSIVE	2MG/M3-C	2MG/M3	1310-73-2

SECTION IIA - NON-HAZARDOUS INGREDIENTS

NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE SECRET REGISTRY # 409363-5001P

SECTION III - PHYSICAL DATA

(CONTINUED)

SECTION III - PHYSICAL DATA

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BOILING PT. (FAHRENHEIT)	220	SPEC GRAVITY (H2O=1)	1.120
VAPOR PRESSURE (MM HG)	15	COLOR	CLEAR
VAPOR DENSITY (AIR=1)	0.6	ODOR	SLIGHT AMMONIA
PH @ 100%	12	CLARITY	CLEAR
PERCENT VOLATILE BY VOLUME (%)	81	EVAPORATION RATE (BU AC = 1)	0.10
SOLUBILITY IN WATER	COMPLETE		
VISCOSITY	NON-VISCOUS		

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (METHOD USED)	FLAMMABLE LIMITS	LEL	UEL
NON-FLAM		N/A	N/A
EXTINGUISHING MEDIA "ALCOHOL"	DRY	WATER	
<--FOAM <--FOAM	<--CO2 <--CHEMICAL	<--SPRAY	<--OTHER

SPECIAL FIRE FIGHTING PROCEDURES
COOL CONTAINERS WITH SPRAY TO PREVENT BURSTING. WEAR SELF CONTAINED BREATHING APPARATUS IF CONTAINERS HAVE ALREADY RUPTURED.

UNUSUAL FIRE & EXPLOSION HAZARDS

N/A

NFPA HAZARD RATING (0=INSIGNIFICANT;1=SLIGHT;2=MODERATE;3=HIGH;4=EXTREME):
2 <--HEALTH 0 <--FLAMMABILITY 0 <--REACTIVITY B <--SPECIAL

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE :

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

EFFECTS OF OVEREXPOSURE

- ACUTE - (SHORT TERM EXPOSURE)
EYES: EYE CONTACT CAUSES IRRITATION, REDNESS AND POSSIBLE BLINDNESS

IN SEVERE INSTANCES.
 SKIN: CAN CAUSE REDNESS AND IRRITATION IF NOT WASHED AWAY QUICKLY.
 INGESTION: CAN CAUSE NAUSEA, VOMITING AND BURNS TO MOUTH, ESOPHAGUS
 AND STOMACH.
 - CHRONIC - (LONG TERM EXPOSURE)
 EYES: LONG TERM REPEATED EXPOSURE CAN CAUSE SEVERE IRRITATION CONJUNCTIVITIS
 OR BLINDNESS.
 SKIN: LONGER TERM EXPOSURE MAY CAUSE REDNESS, CRACKING, AND DERMATITIS.
 PRIMARY ROUTE OF ENTRY: <-- INHALATION <-- INGESTION X<-- ABSORPTION
 EMERGENCY & FIRST AID PROCEDURES
 INHALATION:
 REMOVE TO FRESH AIR AT ONCE. BE PREPARED TO GIVE ARTIFICIAL RESPIRATION
 IF BREATHING CEASES OR IF BLUE COLOR IN SKIN DEVELOPS. SEEK MEDICAL
 ATTENTION IMMEDIATELY.
 EYE CONTACT:
 WASH WITH WATER AT LEAST 15 MINUTES HOLDING LIDS OPEN. SEEK MEDICAL
 ATTENTION IF IRRITATION DEVELOPS.
 SKIN CONTACT:
 WASH OFF THOROUGHLY WITH WATER. SEEK MEDICAL ATTENTION
 IF IRRITATION DEVELOPS.
 INGESTION:
 GIVE LARGE AMOUNTS OF WATER, MILK OR CITRUS FRUITS.
 DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION AT ONCE.
 NOTES TO PHYSICIAN:
 DO NOT INDUCE VOMITING DUE TO ALKALINE NATURE.

SECTION VI - TOXICITY INFORMATION

PRODUCT CONTAINS CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY:

IARC	<--YES	NTP	<--YES	OSHA	<--YES	ACGIH	<--YES	OTHER	<--YES
X<--NO		X<--NO		X<--NO		X<--NO		X<--NO	

SODIUM HYDROXIDE
 EYE-RBT: 1% SOLUTION - SEV 2.
 ORL-RAT LD50: 140MG/KG 2.

SECTION VII - REACTIVITY DATA

STABILITY	X<--STABLE	<--UNSTABLE	CONDITIONS TO AVOID

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG ACIDS - ZINC OR ALUMINUM METALS, CHROMATES.

HAZARDOUS DECOMPOSITION PRODUCTS

NAO VAPORS AND NITROGEN OXIDES

HAZARDOUS	WILL NOT X<--OCCUR	MAY <--OCCUR	CONDITIONS TO AVOID
POLYMERIZATION			

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 CONTAIN LEAK. PICK UP AND REUSE AS MUCH MATERIAL AS POSSIBLE. WEAR
 GLOVES, GOGGLES, BOOTS. SOAK UP ANY REMAINDER WITH SAND SAWDUST ETC.

WASTE DISPOSAL METHOD
 LANDFILL ANY UNUSED MATERIAL IN ACCORDANCE WITH ALL STATE, FEDERAL, AND
 LOCAL ORDINANCES.

NEUTRALIZING AGENT

VINEGAR OR OTHER DILUTE ACID.

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION
 LOCAL MECHANICAL IS USUALLY SUFFICIENT.

RESPIRATORY PROTECTION
 NIOSH-APPROVED MASK IS NECESSARY IF MISTING IS LIKELY.

PROTECTIVE GLOVES
 RUBBER GLOVES WHEN HANDLING PRODUCT.

EYE PROTECTION
 CHEMICAL GOGGLES SHOULD BE WORN WHEN HANDLING
 PRODUCT.

OTHER PROTECTION
 RUBBER BOOTS IF CLEANING UP LARGE SPILLS.

STORAGE TEMPERATURE 180 F. <--MAX 35 F. <--MIN	INDOOR X	HEATED ABOVE 35	REFRIGERATED	OUTDOOR
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PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
DO NOT STORE NEAR ACIDS OR ORGANIC COMPOUNDS.

OTHER PRECAUTIONS
READ AND FOLLOW ALL LABEL DIRECTIONS.
STORE ONLY IN LABELED CONTAINERS.
KEEP OUT OF REACH OF CHILDREN.

SECTION XI - REGULATORY INFORMATION

CHEMICAL NAME	C.A.S. NUMBER	UPPER % LIMIT
SODIUM HYDROXIDE	1310-73-2	UE

THOSE INGREDIENTS LISTED ABOVE ARE SUBJECT TO THE REPORTING REQUIREMENTS OF 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

IF UE (USE EXEMPTION) APPEARS UNDER UPPER % LIMIT, END USERS ARE EXEMPT FROM NOTIFICATION BECAUSE THE PRODUCT IS USED AND LABELED FOR ROUTINE JANITORIAL WORK, OR THE PRODUCT IS USED AND LABELED FOR FACILITY GROUNDS MAINTENANCE (SUCH AS FERTILIZERS AND HERBICIDES), OR THE PRODUCT IS USED AND LABELED FOR MAINTAINING MOTOR VEHICLES.

SECTION XII - TRANSPORTATION * (FOR FUTURE USE)

APPLICABLE REGULATIONS <--49 CFR <--IMCO <--TARIFF 6 D <--IATA <--MILITARY AIR (AFR 71-4)
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SHIPPING NAME

HAZARD CLASS	ID NUMBER	REPORT QTY
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LABELS	LIMITED QTY
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UNIT CONTAINER

DOT SPS CONTAINER	NET EXPLOSIVE WT.
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AEROSOL PROPELLANT(S)

(CONTINUED) SECTION XII - TRANSPORTATION * (FOR FUTURE USE) PAGE : 06

SECTION XIII - REFERENCES

1. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 6TH EDITION, N. IRVING SAX.
2. VENDOR'S MSDS.

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