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SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS	TRADE NAME & SYNONYMS
N/A	CHEMSEARCH CONCENTRATE
CHEMICAL FAMILY:	**FORMULA**
PHOSPHATE/ETHOXYLATED ALCOHOL SOLUTION	X <--MIXTURE

MANUFACTURER'S NAME:
CHEMSEARCH, DIV. OF NCH CORP.

ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE)
BOX 152170
IRVING, TEXAS 75015

PREPARED BY:	PRODUCT CODE NUMBER	EMERGENCY TELEPHONE NUMBER
E LEVI/CHEMIST	0060	800-424-9300

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

CHEMICAL NAME (INGREDIENTS):					
TRISODIUM PHOSPHATE					
HAZARD----->IRRITANT	TLV--->N/E	1.	PEL--->5 MG/M3	2.	
STEL(TWA)*->N/E	CAS#-->7601-54-9				
SODIUM TRIPOLYPHOSPHATE					
HAZARD----->IRRITANT	TLV--->N/E	1.	PEL--->5 MG/M3	2.	
STEL(TWA)*->N/E	CAS#-->7758-29-4				
POLYETHYLENE GLYCOL TRIMETHYLNONYL ETHER					
HAZARD----->IRRITANT	TLV--->N/E	1.	PEL--->N/E	2.	
STEL(TWA)*->N/E	CAS#-->60828-78-6				
DIETHANOLAMINE					
HAZARD----->IRRITANT	TLV--->2 MG/M3	1.	PEL--->N/E	2.	
STEL(TWA)*->N/E	CAS#-->111-42-2				

SECTION III - PHYSICAL DATA

BOILING PT. (F)	236	SPEC. GRAVITY (H20=1)	1.040
VAPOR PR. (MM HG)	16.9	COLOR	RED-PINK
VAPOR DENSITY	0.6	ODOR	CITRUS/ORANGE
PH @ 100%	9.8	CLARITY	TRANSPARENT
% VOLATILE BY VOL	87	EVAPORATION RATE (BU A/C = 1)	0.52
H2O SOLUBILITY	COMPLETE		
VISCOSITY	VISCOUS		

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT: NONFLAMM SETAFLASH	FLAMMABLE LIMITS	LEL	UEL
	N/A	N/A	N/A

EXTINGUISHING MEDIA

"ALCOHOL"		DRY		WATER	
X <--FOAM	X <--FOAM	X <--CO2	X <--CHEMICAL	X <--SPRAY	<--OTHER

SPECIAL FIRE FIGHTING PROCEDURES
FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.

UNUSUAL FIRE AND EXPLOSION HAZARDS
THE USE OF WATER SPRAY (F0G) WHILE EFFECTIVE, MAY CAUSE FROTHING AND FOAMING. NEVER USE A WATER JET AS THIS WILL JUST SPREAD THE FIRE. USE CARE AS SPILLS MAY BE SLIPPERY.

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

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:
NOT ESTABLISHED.

EFFECTS OF OVEREXPOSURE:

- ACUTE - (SHORT TERM EXPOSURE)

EYE CONTACT: CAUSES SEVERE IRRITATION SEEN AS TEARING, SWELLING, REDNESS, EXCESSIVE BLINKING, AND A BURNING SENSATION.
SKIN CONTACT: CAUSES IRRITATION SEEN AS ITCHING AND REDNESS. MAY CAUSE DRYNESS. PRODUCT MAY BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS. MAY CAUSE ALLERGIC SKIN REACTION SEEN AS DELAYED SKIN RASH WHICH MAY BE FOLLOWED BY BLISTERING, SCALING, AND OTHER SKIN EFFECTS.
INHALATION: MIST MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. AT LOW VAPOR CONCENTRATIONS, NO HARMFUL EFFECTS ARE EXPECTED. AT HIGH VAPOR CONCENTRATIONS, INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS HEADACHE, DIZZINESS, DROWSINESS, WEAKNESS, UNCONCIOUSNESS, POSSIBLE ANESTHETIC EFFECTS FROM CENTRAL NERVOUS SYSTEM DEPRESSION, AND MAY BE FATAL.
INGESTION: CAUSES IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SIMILAR TO INHALATION.

- CHRONIC - (LONG TERM EXPOSURE)

MAY CAUSE SKIN SENSITIZATION IN SOME INDIVIDUALS. PROLONGED EXPOSURE TO ALKONOLAMINES MAY CAUSE KIDNEY AND LIVER DAMAGE.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS.
TARGET ORGANS: HEART, LIVER, CENTRAL NERVOUS SYSTEM, BLOOD-FORMING ORGANS, TESTES, AND KIDNEYS.

PRIMARY ROUTE OF ENTRY: <-- INHALATION <-- INGESTION X<-- ABSORPTION

EMERGENCY & FIRST AID PROCEDURES

INHALATION:

REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

EYE CONTACT:

IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.

SECTION V - HEALTH HAZARD DATA (CONTINUED)

SKIN CONTACT:
WASH AFFECTED AREAS WITH LARGE AMOUNTS OF SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

INGESTION:
GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

NOTES TO PHYSICIAN:
THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY.

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

TRISODIUM PHOSPHATE DODECAHYDRATE
- ORL-RAT LD50: 7400 MG/KG 3.
- EYE-RBT: SEVERE IRRITATION TO UNWASHED EYES 4.
- MODERATE IRRITATION TO WASHED EYES 4.
- SKN-RBT: 300 MG/KG MLD 4.
- SKN-RBT: 20 MG/KG MLD 4.

SODIUM TRIPOLYPHOSPHATE
- ORL-RAT LD50: 3120 MG/KG 3.
- SKN-RBT LD50: >4640 MG/KG 3.
- SKN-RBT-SDT: 500 MG/24H MODERATE 3.

POLYETHYLENE GLYCOL TRIMETHYLNONYL ETHER
- ORL-RAT LD50: 7460 UL/KG 4.
- SKN-RBT LD50: 8480 UL/KG 4.
- SKN-RBT OPEN IRR TEST: 500 MG MILD 4.
- EYE-RBT SDT: 100 MG SEVERE 4.

DIETHANOLAMINE
- IHL-RAT MIST/VAPOR STUDY AT 170°C FOR 8 HRS,
- MORTALITY: 0/6, IRRITATION 3.
- ORL-RAT LD50: 620 UL/KG 4.
- SKN-RBT LD50: 7640 UL/KG 4.
- SKN-HMN: NON-SENSITIZING 3.
- SKN-RBT SDT: 500 MG/24H MILD 4.
- EYE-RBT SDT: 5500 MG SEVERE 4.

SECTION VII - REACTIVITY DATA

STABILITY	X <--STABLE <--UNSTABLE	CONDITIONS TO AVOID
		NONE KNOWN

INCOMPATABILITY (MATERIALS TO AVOID):
STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE. REDUCING AGENTS SUCH AS SODIUM THIOSULFATE, ACIDS, AND BASES.

SECTION VII - REACTIVITY DATA (CONTINUED)

HAZARDOUS DECOMPOSITION PRODUCTS
OXIDES OF PHOSPHOROUS, SODIUM, AND CARBON

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

N/A

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
WEAR APPROPRIATE PROTECTIVE CLOTHING. USE CARE AS SPILLS MAY BE SLIPPERY. SHUT OFF SOURCE OF LEAK. DIKE AND CONTAIN SPILL. ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. PREVENT PRODUCT FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER. FLUSH AREA WITH WATER.

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

NEUTRALIZING AGENT:
N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION:
LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE EXCESSIVE LEVELS OF VAPORS OR MISTS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS DISPERSION INTO WORK AREAS BY CONTROLLING IT AT ITS SOURCE.

RESPIRATORY PROTECTION:
TYPICAL USE OF THIS PRODUCT DOES NOT REQUIRE A SPECIAL RESPIRATOR.

GLOVE PROTECTION:
NITRILE OR NEOPRENE RUBBER GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY.

EYE PROTECTION:
CHEMICAL GOGGLES SHOULD BE WORN WHEN HANDLING.

OTHER PROTECTION:
WEAR PROTECTIVE CLOTHING WHEN HANDLING.

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE	INDOOR	HEATED	REFRIGERATED	OUTDOOR
MAX: 120 °F. MIN: 35 °F	X			X

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP FROM FREEZING. IF PRODUCT FREEZES ALLOW IT TO SLOWLY WARM TO ROOM TEMPERATURE AND STIR THOROUGHLY BEFORE USING.

SECTION X - STORAGE AND HANDLING INFORMATION (CONTINUED)

OTHER PRECAUTIONS
KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS. TRACES OF FREE ETHYLENE OXIDE MAY BE PRESENT IN THIS PRODUCT AND COULD ACCUMULATE IN THE HEADSPACE OF STORAGE AND TRANSPORT VESSELS.

SECTION XI - REGULATORY INFORMATION

CHEMICAL NAME	C.A.S NUMBER	UPPER % LIMIT
N/A		

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 - REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2006.
2. OSHA PEL.
3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFOWEB, 2006.
4. VENDOR'S MSDS.

*SHORT TERM EXPOSURE LIMIT (TWA) LISTED AS FINAL RULE LIMITS PUBLISHED IN THE FEDERAL REGISTER/VOL. 54 NO. 12, 1-19-89

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