

(000000-000000- - 0095 )

DATE OF ISSUE  
8/27/2002

SUPERSEDES  
11/27/1996

SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS N/A		TRADE NAME & SYNONYMS DUO-POWER	
CHEMICAL FAMILY: AQUEOUS ALKALINE DETERGENT		FORMULA X <--MIXTURE	
MANUFACTURER'S NAME: CHEMSEARCH, DIV. OF NCH CORPORATION			
ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE) BOX 152170 IRVING, TEXAS 75015			
PREPARED BY: R MOHOCHI/CHEMIST	PRODUCT CODE NUMBER 0095	EMERGENCY TELEPHONE NUMBER 800-424-9300	

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

CHEMICAL NAME (INGREDIENTS): SODIUM DODECYLBENZENE SULFONATE			
HAZARD---->IRRITANT STEL(TWA)*->N/E	TLV--->N/E CAS#-->25155-30-0	1.	PEL--->N/E 2.
SODIUM XYLENE SULFONATE			
HAZARD---->IRRITANT STEL(TWA)*->N/E	TLV--->N/E CAS#-->1300-72-7	1.	PEL--->N/E 2.
SODIUM TRIPOLYPHOSPHATE			
HAZARD---->IRRITANT STEL(TWA)*->N/E	TLV--->N/E CAS#-->7758-29-4	1.	PEL--->N/E 2.

SECTION IIA – NON-HAZARDOUS INGREDIENTS

NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE  
TRADE REGISTRY NUMBER: 409363 – 5061P

SECTION III - PHYSICAL DATA

BOILING PT. (F)	210	SPEC. GRAVITY (H20=1)	1.1
VAPOR PR. (MM HG)	15.71	COLOR	GREEN
VAPOR DENSITY	0.6	ODOR	NONE
PH. @ 100%	12.4	CLARITY	TRANSPARENT
% VOLATILE BY VOL	72.9	EVAPORATION RATE (BU A/C = 1)	0.42
H2O SOLUBILITY	COMPLETE		
VISCOSITY	SEMI-VISCOUS		

**SECTION IV - FIRE AND EXPLOSION HAZARD**

FLASH POINT: NON-FLAM SETAFLASH	FLAMMABLE LIMITS   N/A	LEL   N/A	UEL   N/A		
EXTINGUISHING MEDIA X <--FOAM	"ALCOHOL" X <--FOAM	X <--CO2	DRY X <--CHEMICAL	WATER 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: USE CARE AS SPILLS MAY BE SLIPPERY. 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.					
NFPA HAZARD RATING (0=INSIGNIFICANT; 1=SLIGHT; 2=MODERATE; 3=HIGH; 4=EXTREME): 2 <--HEALTH      1 <--FLAMMABILITY      0 <--INSTABILITY      <--SPECIAL					

**SECTION V - HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE:  
NOT ESTABLISHED.

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EFFECTS OF OVEREXPOSURE:

- ACUTE - (SHORT TERM EXPOSURE)

EYE CONTACT: CAUSES SEVERE IRRITATION SEEN AS TEARING, REDNESS AND A BURNING SENSATION.  
 SKIN CONTACT: CAUSES SEVERE IRRITATION SEEN AS REDNESS, ITCHING, AND A BURNING SENSATION.  
 PROLONGED OR REPEATED CONTACT AS FROM CLOTHING WET WITH MATERIAL MAY CAUSE DRYING, DEFATTING,  
 AND CRACKING OF THE SKIN.  
 INHALATION: CAUSES RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. MAY CAUSE CHEST  
 TIGHTNESS, CHEST PAIN, AND BURNING THROAT.  
 INGESTION: CAUSES IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA.

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- CHRONIC - (LONG TERM EXPOSURE)

NO HUMAN CHRONIC EFFECTS KNOWN. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING  
 RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS.  
 TARGET ORGANS: KIDNEYS. THERE IS NO PRIMARY ROUTE OF ENTRY INTO THE BODY. THE PRIMARY ROUTES OF  
 EXPOSURE ARE SKIN AND EYE CONTACT.

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

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EMERGENCY & FIRST AID PROCEDURES

INHALATION:  
 REMOVE FROM THE AREA TO FRESH AIR. IF NOT BREATHING, CLEAR THE AIRWAY AND START MOUTH TO MOUTH  
 ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

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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.

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SKIN CONTACT:  
 IMMEDIATELY REMOVE CONTAMINATED CLOTHING AND SHOES. FLUSH AFFECTED AREAS WITH LARGE AMOUNTS  
 OF WATER FOR 20 TO 30 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. DISCARD CLOTHING AND SHOES.

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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.

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**SECTION V - HEALTH HAZARD DATA (CONTINUED)**

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

SODIUM DODECYLBENZENE SULFONATE  
ORL-RAT LD50: 438 MG/KG                    3.  
SKN-RBT SDT: 20 MG/24H MODERATE    3.  
EYE-RBT SDT: 250 UG/24H SEVERE        3.

SODIUM XYLENE SULFONATE  
SKN-RAT TDLO: 3380 MG/KG/17D-I        3.  
ORL-RAT LD50: >5 G/KG                    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.

**SECTION VII - REACTIVITY DATA**

STABILITY	X <--STABLE    <--UNSTABLE	CONDITIONS TO AVOID
	_____	
	AVOID HEAT, HOT SURFACES, SPARKS, AND OPEN FLAMES; MOISTURE AND AQUEOUS CONDITIONS.	

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

HAZARDOUS DECOMPOSITION PRODUCTS:  
OXIDES OF PHOPHOUS, SULFUR, AND CARBON; HYDROGEN SULFIDE AND SOME METALLIC OXIDES.

HAZARDOUS POLYMERIZATION	WILL NOT X <--OCCUR    MAY <--OCCUR	CONDITIONS TO AVOID
	_____	
	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. FLUSH AREA WITH WATER.

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

NEUTRALIZING AGENT:  
USE DILUTE ACIDS SUCH AS HYDROCHLORIC ACID OR VINEGAR. ADD CAUTIOUSLY WHILE MIXING. WEAR APPROPRIATE PROTECTIVE CLOTHING.

**SECTION IX - SPECIAL PROTECTION INFORMATION****REQUIRED VENTILATION:**

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

**RESPIRATORY PROTECTION:**

RESPIRATORS SHOULD BE SELECTED BY AND USED UNDER THE DIRECTION OF A TRAINED HEALTH AND SAFETY PROFESSIONAL FOLLOWING REQUIREMENTS FOUND IN OSHA'S RESPIRATOR STANDARDS AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION.

**GLOVE PROTECTION:**

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

**EYE PROTECTION:**

SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF USE PRESENTS THE LIKELIHOOD OF EYE CONTACT.

**OTHER PROTECTION:**

WEAR PROTECTIVE CLOTHING WHEN HANDLING. A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAILABLE. REMOVE SOAKED CLOTHING AND SHOES. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

**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.

**OTHER PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT.

**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.

**SECTION XII - REFERENCES**

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 1997.
2. OSHA PEL.
3. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 7TH EDITION, N. IRVING SAX AND RICHARD J. LEWIS, JR.
4. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODISC, 1998.

\* 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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