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(000000-000000- -T742) | DATE OF ISSUE | SUPERSEDES |
CA ONLY | 09/23/97 | 12/13/96 |

SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS
N/A

TRADE NAME & SYNONYMS
ACE WATERSPOT REMOVER

CHEMICAL FAMILY :
SILICA / ACIDIC SOLUTION

FORMULA
X <--MIXTURE

MANUFACTURER'S NAME:
MANTEK, DIVISION OF NCH CORP.

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

PREPARED BY:	PRODUCT CODE NUMBER	EMERGENCY TELEPHONE NUMBER
G MARSHALL/CHEMIST	T742	972-438-1381

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

CHEMICAL NAME (INGREDIENTS) :			
SILICON DIOXIDE (CRYSTALLINE) HAZARD----->CARCINOGEN STEL(TWA)*->NOT EST.	TLV--->0.1MG/M3 1 CAS#-->14808-60-7	PEL--->0.1MG/M3 2	
DODECYLBENZLSULFONIC ACID HAZARD----->IRRITANT STEL(TWA)*->NOT EST.	TLV--->NOT EST. 1 CAS#-->27176-87-0	PEL--->NOT EST. 2	
NONOXYNOL HAZARD----->IRRITANT STEL(TWA)*->NOT EST.	TLV--->NOT EST. 1 CAS#-->9016-45-9	PEL--->NOT EST. 2	

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SECTION III - PHYSICAL DATA

BOILING PT. (F)	212	SPEC. GRAVITY (H2O=1)	1.25
VAPOR PR. (MM HG)	17	COLOR	WHITE CREME
VAPOR DENSITY	0.6	ODOR	MINT
PH. @ 100%	1.4-2.4	CLARITY	OPAQUE
% VOLATILE BY VOL	<50	EVAPORATION RATE (BU A/C = 1)	< 1
H2O SOLUBILITY	APPRECIABLE		
VISCOSITY	VISCOUS		

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT: NON-FLAM	FLAMMABLE LIMITS	LEL	UEL
N/A	N/A	N/A	N/A

EXTINGUISHING MEDIA "ALCOHOL"
X <--FOAM X <--FOAM X <--CO2 X <--DRY CHEMICAL X <--WATER SPRAY X <--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.

UNUSUAL FIRE AND EXPLOSION HAZARDS
SPILLED MATERIAL MAY BE SLIPPERY.

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

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

EFFECTS OF OVEREXPOSURE :

- ACUTE - (SHORT TERM EXPOSURE)

EYE CONTACT: CAUSES SEVERE IRRITATION SEEN AS TEARING, REDNESS, AND BURNING SENSATION.
SKIN CONTACT: CAUSES SEVERE IRRITATION SEEN AS REDNESS, ITCHING AND A BURNING SENSATION.
INGESTION: MAY CAUSE SEVERE IRRITATION TO THE MOUTH AND THROAT RESULTING IN REDNESS AND DISCOMFORT.

- CHRONIC - (LONG TERM EXPOSURE)

FAILURE TO REMOVE PRODUCT BEFORE IT IS DRY MAY RESULT IN THE RELEASE OF RESPIRABLE SILICA. INHALATION OF SILICON DIOXIDE CAN CAUSE A PROGRESSIVE LUNG DISEASE KNOWN AS SILICOSIS. STUDIES INDICATE THAT PERSONS DIAGNOSED WITH SILICOSIS HAVE AN INCREASED RISK OF LUNG CANCER.
TARGET ORGANS: LUNGS.
MEDICAL CONDITIONS AGGRAVATED: NONE KNOWN.

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

SKIN CONTACT:
WASH AFFECTED AREAS WITH LARGE AMOUNTS OF SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. GET IMMEDIATE MEDICAL ATTENTION. 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

(CONTINUED) - SECTION V - HEALTH HAZARD DATA

ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

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

SECTION VI - TOXICITY INFORMATION

PRODUCT CONTAINS CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY:

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

SILICON DIOXIDE (CRYSTALLINE)
INL-RAT TCLO: 50 MG/M3/6H/71W-1:CAR 3.
DODECYLBENZYLSULFONIC ACID
ORL-RAT LD50: 650 MG/KG 4.
NONOXYNOL
SKN-RBT: 500 MG OPEN MLD 3.
EYE-RBT: 5 MG SEV 3.
ORL-RAT LD50: 1310 MG/KG 3.

SECTION VII - REACTIVITY DATA

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

NONE KNOWN.

INCOMPATABILITY (MATERIALS TO AVOID) :
STRONG BASES OR STRONG OXIDIZERS SUCH AS CHLORINE BLEACH.

HAZARDOUS DECOMPOSITION PRODUCTS
OXIDES OF CARBON, SULFUR AND TOXIC VAPORS.

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

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
DUE TO THE NATURE OF THE PACKAGING, A LARGE SPILL IS UNLIKELY. FOR A SMALL SPILL, ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. WEAR APPROPRIATE PROTECTIVE CLOTHING.

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

NEUTRALIZING AGENT :
DILUTE BASE SUCH AS A SOLUTION OF SODIUM BICARBONATE.

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION :
GENERAL VENTILATION IS NORMALLY ADEQUATE.

RESPIRATORY PROTECTION :
NONE REQUIRED UNDER NORMAL CONDITIONS OF USE.

GLOVE PROTECTION :
NEOPRENE RUBBER OR NITRILE GLOVES

SHOULD BE WORN.

EYE PROTECTION :
SAFETY GLASSES WITH SIDE SHIELDS SHOULD BE WORN.

OTHER PROTECTION :
WEAR GENERAL DUTY WORK CLOTHING AND SHOES.

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE MAX: 130 F. MIN: 30 F.	INDOOR	HEATED	REFRIGERATED	OUTDOOR
	X			

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
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 THE PRODUCT. FOLLOW THE LABEL DIRECTIONS.

SECTION XI - REGULATORY INFORMATION

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

ID:
JUN-11-99 14:59 FROM:

(CONTINUED) - SECTION XI - REGULATORY INFORMATION

THOSE INGREDIENTS LISTED ABOVE ARE SUBJECT TO THE REPORTING REQUIRMENTS OF 313 OF TIILE 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.

CALIFORNIA PROPOSITION 65

WARNING: THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE (1)CANCER OR (2)BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM:
SILICA, CRYSTALLINE (1) AS A CONSTITUENT.

SECTION XII - TRANSPORTATION * (FOR FUTURE USE)

LABELS	LIMITED QTY
UNIT CONTAINER	
DOT SPS CONTAINER	NET EXPLOSIVE WT.
AEROSOL PROPELLANT(S)	

SECTION XIII - REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 1996-1997.
2. OSHA PEL
3. SAX'S DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, EIGHTH EDITION, RICHARD J. LEWIS, SR.
4. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, MICROMEDEX, 1995.

IRR:IRRITANT, FLAM/FLAMM:FLAMMABLE, COMB:COMBUSTIBLE, CORR:CORROSIVE, CARC:CARCINOGENIC, TOX:TOXIC, N/A:NOT APPLICABLE, N/E:NOT ESTABLISHED, COC:CLEVELAND OPEN CUP, PMCC:PENSKY-MARTIN CLOSED CUP, TCC:TAGLIABUE CLOSED

(CONTINUED) - SECTION XIII - REFERENCES

CUP, LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT, NFPA:NATIONAL FIRE PROTECTION ASSOCIATION, IARC:INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER, NTP:NATIONAL TOXICOLOGY PROGRAM, OSHA:OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH:AMERICAN CONFERENCEOF GOVERNMENTAL INDUSTRIAL HYGIENISTS, TLV:THRESHOLD LIMIT VALUE, PEL:PERMISSIBLE EXPOSURE LEVEL, STEL:SHORT TERM EXPOSURE LIMIT, MLD:MILD, MOD:MODERATE, SEV:SEVERE, MUT:MUTAGENIC, ASPHYX:ASPHYXIANT

* 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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