

(069728-15010 -30233283-4905)

DATE OF ISSUE
08/22/95SUPERSEDES
08/18/95

SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS N/A	TRADE NAME & SYNONYMS EXOTHERM (80#)	
CHEMICAL FAMILY: CALCIUM CHLORIDE	FORMULA <--MIXTURE	
MANUFACTURE'S NAME: MANTEK, DIVISION OF NOH CORP.		
ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE) BOX 152170 IRVING, TEXAS 75015		
PREPARED BY: L DEYOUNG/CHEMIST	PRODUCT CODE NUMBER 4905	EMERGENCY TELEPHONE NUMBER 972-438-1381

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

CHEMICAL NAME (INGREDIENTS): CALCIUM CHLORIDE	HAZARD STEL(TWA)*-->N/E	TLV-->10MG/M3 1 CAS#-->10043-52-4	PEL-->15MG/M3 2
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SECTION IIA - NON-HAZARDOUS INGREDIENTS
NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE
SECRET REGISTRY # 409363-5086

SECTION III - PHYSICAL DATA

BOILING PT. (F)	1500	SPEC. GRAVITY (H2O=1)	2.2
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(CONTINUED) - SECTION III - PHYSICAL DATA

VAPOR PR. (MM HG)	N/A	COLOR	WHITE
VAPOR DENSITY	N/A	ODOR	ODORLESS
PH. @ 100%	N/A	CLARITY	OPAQUE
% VOLATILE BY VOL	< 5	EVAPORATION RATE (BU A/C = 1)	N/A
H2O SOLUBILITY	COMPLETE		
VISCOSITY	GRANULAR		

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT: NON-FLAM T.C.C.	FLAMMABLE LIMITS	N/A	LEL	N/A	UEL
EXTINGUISHING MEDIA "ALCOHOL"					
X <--FOAM	X <--FOAM	X <--CO2	X <--CHEMICAL	X <--WATER	X <--OTHER
SPECIAL FIRE FIGHTING PROCEDURES PRODUCT IS NON-FLAMMABLE. THE CHOICE OF THE ABOVE MEDIA DEPENDS ON THE NATURE OF THE FIRE. AS WITH ALL FIRES INVOLVING CHEMICALS, WEAR A SELF- CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.					
UNUSUAL FIRE AND EXPLOSION HAZARDS N/A					

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

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

(CONTINUED) - SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE :

- ACUTE - (SHORT TERM EXPOSURE)
EYE CONTACT: CAUSES IRRITATION SEEN AS ITCHING AND REDNESS.
SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS. PRODUCT
MAY REMOVE MOISTURE FROM THE SKIN RESULTING IN DRYING AND IRRITATION.
INGESTION: MAY CAUSE GASTROINTESTINAL IRRITATION SEEN AS NAUSEA AND
DIARRHEA.
INHALATION: MAY CAUSE IRRITATION SEEN AS COUGHING AND SNEEZING.

- CHRONIC - (LONG TERM EXPOSURE)

NO CHRONIC EFFECTS KNOWN.
CONTACT MAY AGGRAVATE PRE-EXISTING SKIN CONDITIONS.
TARGET ORGANS: NONE KNOWN.
ALTHOUGH THERE IS NO PRIMARY ROUTE OF ENTRY INTO THE BODY, THE PRIMARY
ROUTE OF EXPOSURE IS SKIN AND EYE CONTACT.

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 OCCURS OR IF BREATHING BECOMES DIFFICULT.

EYE CONTACT :
IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND
CONTINUE FLUSHING THE EYES 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 PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES.
REMOVE AND CLEAN CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION
IF IRRITATION DEVELOPS.

INGESTION :
GIVE 3 TO 4 GLASSES OF WATER. INDUCE VOMITING BY PLACING A FINGER OR BLUNT
OBJECT ON THE BACK OF THE VICTIM'S TONGUE. GIVE FLUIDS UNTIL THE VOMITUS
IS CLEAR. SEEK MEDICAL ATTENTION.

NOTES TO PHYSICIAN :

N/A

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

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

CALCIUM CHLORIDE
OEL-RAT LD50 : 1000 MG/KG 3.
OEL-RBT LD50 : 1384 MG/KG 3.

SECTION VII - REACTIVITY DATA

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

N/A

INCOMPATIBILITY (MATERIALS TO AVOID) :
PRODUCT ABSORBS MOISTURE FROM THE AIR.

HAZARDOUS DECOMPOSITION PRODUCTS
CHLORINE, CHLORIDE AND HCL FUMES.

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

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

(CONTINUED) - SECTION VIII - SPILL OR LEAK PROCEDURES

TRANSFER SOLID INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. IF NECESSARY WASH AREA WITH WATER AND PICK UP WASH WATER FOR DISPOSAL. AVOID CREATING DUSTY CONDITIONS. WEAR APPROPRIATE PROTECTIVE CLOTHING.

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

NEUTRALIZING AGENT :
N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION :

PRODUCT IS TYPICALLY USED OUTDOORS SO NO VENTILATION IS NECESSARY.

RESPIRATORY PROTECTION :
NONE REQUIRED UNDER NORMAL CONDITIONS OF USE.

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

EYE PROTECTION :
SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF
APPLICATION PRESENTS THE LIKELIHOOD OF EYE CONTACT

OTHER PROTECTION :
N/A

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE	INDOOR	HEATED	REFRIGERATED	OUTDOOR
MAX: 100XF, MIN: 20XF	X			

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
STORE AT MODERATE TEMPERATURES. KEEP TIGHTLY
CLOSED IN A DRY AREA AS THE PRODUCT CAN ABSORB
MOISTURE FROM THE AIR. WASH THOROUGHLY AFTER
HANDLING.

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 REQUIRMENTS 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.

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:

NONE

SECTION XII - TRANSPORTATION * (FOR FUTURE USE)

(CONTINUED) - 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, 1991-1992.
2. OSHA PEL.
3. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 7TH EDITION, N. IRVING SAX AND RICHARD J. LEWIS, SR.

* 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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