

CUSTOMER: 30244898 ORDER # : 0439@
 BATCH #: 963450003 STICKER #: 963450018
 ZONE #: 003
 BARCODE NUMBER: 5161226910 0001
 PRODUCT NAME : SUPER BIG TEX

DEWATERING

MATERIAL SAFETY DATA SHEET : SUPER BIG TEX PAGE : 1
 -0237 | DATE OF ISSUE | SUPERSEDES |
 12/06/95 | 09/15/95 |

SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS: N/A TRADE NAME & SYNONYMS: SUPER BIG TEX
 CHEMICAL FAMILY: AQUEOUS ALKALINE SURFACTANT FORMULA: X <-- MIXTURE
 MANUFACTURE'S NAME: MANTEK, DIVISION OF NCH CORP.
 ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE):
 BOX 152170
 IRVING, TEXAS 75015
 PREPARED BY: M PERKINS/CHEMIST PRODUCT CODE NUMBER: 0237 EMERGENCY TELEPHONE NUMBER: 972-438-1381

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

CHEMICAL NAME (INGREDIENTS) :
 SODIUM METASILICATE
 HAZARD----->SKIN IRR. | TLV---->2MG/M3 1. | PEL---->2MG/M3 2.
 STEL(TWA)*->NOT EST. | CAS#-->6834-92-0 |
 TRIPROPYLENE GLYCOL MONOMETHYL ETHER
 HAZARD----->EYE IRR. | TLV---->NOT EST. 1 | PEL---->NOT EST. 2
 STEL(TWA)*->NOT EST. | CAS#-->20324-33-8 |
 2,6,8-TRIMETHYL-4-NONYLOXYPOLYETHYLENEOXYETHANOL
 HAZARD----->EYE IRR. | TLV---->NOT EST. 1 | PEL---->NOT EST. 2
 STEL(TWA)*->NOT EST. | CAS#-->60828-78-6 |

SECTION IIIA - NON-HAZARDOUS INGREDIENTS
 NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE
 SECRET REGISTRY # 409363-5004P

SECTION III - PHYSICAL DATA

BOILING PT. (F) | 210 | SPEC. GRAVITY (H20=1) | 1.050
 VAPOR PR. (MM HG) | 18 | COLOR | YELLOW-GREEN
 VAPOR DENSITY | 6 | ODOR | LOW
 PH. @ 100% | 11.9 | CLARITY | TRANSPARENT
 % VOLATILE BY VOL | 95 | EVAPORATION RATE (BU A/C = 1) | 0.10
 H2O SOLUBILITY | COMPLETE
 VISCOSITY | NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (METHOD USED) | FLAMMABLE LIMITS | LEL | UEL
 NON-FLAM/N/A | N/A | N/A | N/A
 EXTINGUISHING MEDIA "ALCOHOL" | DRY | WATER
 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.

UNUSUAL FIRE AND EXPLOSION HAZARDS
 SPILLED MATERIAL MAY BE SLIPPERY. USE WATER SPRAY TO COOL FIRE EXPOSED
 CONTAINERS TO PREVENT BURSTING. THE DRIED RESIDUE LEFT AFTER ALL WATER HAS
 EVAPORATED WILL GIVE OFF ACRID SMOKE WHEN HEATED TO DECOMPOSITION.

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

SECTION IV - FIRE AND EXPLOSION HAZARD (CONTINUED)

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

EFFECTS OF OVEREXPOSURE:

SKIN: CAUSES SEVERE IRRITATION TO THE SKIN. POSSIBLE SYMPTOMS MAY INCLUDE STINGING, REDNESS OR ITCHING. >>EYES: CONTACT WITH EYES CAUSES SEVERE IRRITATION SUCH AS PAIN, TEARS AND REDNESS. PERMANENT CONJUNCTIVAL INJURY IS POSSIBLE. >> INHALATION: MIST IS SEVERELY IRRITATING TO THE NOSE, THROAT AND LUNGS. THE VAPOR MAY CAUSE DIZZINESS OR IRRITATION OF THE RESPIRATORY TRACT IF THE PRODUCT IS HEATED OR USED IN POORLY VENTILATED AREAS. >>INGESTION: CAUSES PAIN IN THE MOUTH, THROAT, AND STOMACH. MAY CAUSE NAUSEA, VOMITING, OR DIARRHEA. AS AN INGREDIENT IN THIS PRODUCT CAN BE ABSORBED THROUGH THE SKIN, REPEATED LONG TERM SKIN EXPOSURE CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION AND KIDNEY EFFECTS.

CHRONIC - (LONG TERM EXPOSURE)

LONG-TERM REPEATED INHALATION OF MIST OR SPRAY MAY CAUSE DAMAGE TO UPPER RESPIRATORY TRACT. REPEATED EXPOSURE MAY CAUSE SUPERFICIAL DIRECTION OF SKIN RESULTING IN DERMATITIS. THERE ARE NO KNOWN CHRONIC EFFECTS TO THE EYES OTHER THAN CONTINUATION OF THE ACUTE EFFECTS. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS. @TARGET ORGANS: KIDNEYS, CENTRAL NERVOUS SYSTEM, BLOOD-FORMING ORGANS.

PRIMARY ROUTE OF ENTRY: X<<- 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 EYES WITH WATER. REMOVE ANY CONTACT LENSES, AND CONTINUE FLUSHING EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES. HOLD 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:

IMMEDIATELY GIVE 3-4 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:

ORGANIC ABNORMALITIES RESULTING FROM OVEREXPOSURE TO GLYCOL ETHERS BY ANY ROUTE LIKELY WOULD BE AN ABNORMAL BLOOD PICTURE CHARACTERIZED BY ERYTHROPENIA, RETICULOCYTOSIS, GRANULOCYTOSIS AND LEUKOCYTOSIS.

SECTION VI - TOXICITY INFORMATION

PRODUCT CONTAINS CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY:

IARC X<<->> YES MTP X<<->> NO GENA X<<->> NO OSHA X<<->> NO ACGIH X<<->> NO OTHER X<<->> YES MTP X<<->> NO OTHER X<<->> YES

SODIUM METASILICATE: ORL-RAT LD50: 1260 MG/KG SKN-RBT: 2800 MG/24H SEV 3

TRIPROPYLENE GLYCOL MONOMETHYL ETHER ORL-RAT LD50: 3300MG/KG 4 ORL-DOG LD50: 5000MG/KG 4 ORL-DG LD50: 5000MG/KG 4 2,6,8-TRIMETHYL-4-NONYLOXYPOLY OXYETHANOL ORL-RAT LD50: 5650MG/KG 4

SECTION VII - REACTIVITY DATA

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

N/A

INCOMPATIBILITY (MATERIALS TO AVOID):

MAY ETCH GLASS OR ANODIZED ALUMINUM IF PRODUCT IS HOT. THE SURFACE IS HOT OR THE PRODUCT IS NOT RINSED OR PROPERLY DILUTED.

HAZARDOUS DECOMPOSITION PRODUCTS

OXIDES OF CARBON, NITROGEN, SILICA, ACRID SMOKE

SECTION VII - REACTIVITY DATA (CONTINUED)

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:
DIKE AND CONTAIN SPILL IF SAFE TO DO SO. ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. WEAR APPROPRIATE PROTECTIVE CLOTHING.
USE CARE AS SPILLS MAY BE SLIPPERY.

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

NEUTRALIZING AGENT :
N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION :

GOOD INDUSTRIAL HYGIENE PRACTICE DICTATES THAT THE WORK AREAS SHOULD PROVIDE ADEQUATE VENTILATION OR CONTROLS TO MAINTAIN EXPOSURE BELOW RECOMMENDED LEVELS.

RESPIRATORY PROTECTION :
WITH NORMAL USE, NO RESPIRATOR IS REQUIRED. IF MATERIAL IS USED IN A MANNER WHICH CREATES MISTS, A NIOSH APPROVED RESPIRATOR DESIGNED FOR AEROSOL MISTS SHOULD BE WORN.

GLOVE PROTECTION :
LATEX OR NEOPRENE RUBBER GLOVES

EYE PROTECTION :
SAFETY GLASSES WITH SIDE SHIELDS.

OTHER PROTECTION :
PROTECTIVE CLOTHING SUCH AS A RUBBER OR PLASTIC APRON IF SKIN CONTACT IS LIKELY

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE	INDOOR	HEATED	REFRIGERATED	OUTDOOR
MAX: 120 F. MIN: 32 F	X			

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
AVOID FREEZING.

OTHER PRECAUTIONS
KEEP OUT OF REACH OF CHILDREN.
READ ENTIRE LABEL BEFORE USING.

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.

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: ARSENIC (1), CADMIUM (1), CHROMIUM (1), MERCURY (1), LEAD (1) AS TRACE CONTAMINANTS

SECTION XII - TRANSPORTATION * (FOR FUTURE USE)

TABLES	LIMITED QTY	UNIT CONTAINER	DOT SPS CONTAINER	AEROSOL PROPPELLANT(S)

SECTION XIII - REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICATOR, OSHA, 1994-1995.
2. OSHA PEL.
3. SARA'S DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, EIGHTH EDITION, RICHARD J. LEWIS, SR.
4. VENDOR'S MSDS

* SHORT TERM EXPOSURE LIMIT (STEL) LISTED AS FINAL RULE LIMITS PUBLISHED IN THE FEDERAL REGISTER/VOL. 54 NO. 17, 1-19-89

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