

SECTION I - GENERAL INFORMATION

-----  
 CHEMICAL NAME & SYNONYMS TRADE NAME & SYNONYMS  
 N/A ELITE - RED  
 -----  
 CHEMICAL FAMILY : FORMULA  
 PETROLEUM X <-- MIXTURE  
 -----  
 MANUFACTURE'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  
 M DICKSON/CHEMIST 4207 972-438-1381  
 -----

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

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 CHEMICAL NAME (INGREDIENTS) :  
 BARIUM DINONYLNAPHTHALENE SULFONATE  
 HAZARD---->IRRITANT ^ TLV--->NOT EST. 1 ^ PEL--->NOT EST. 2 ^  
 STEL(TWA)\*->N/E ^ CAS#-->25619-56-1 ^  
 -----  
 HYDROTREATED HEAVY NAPHTHENIC DISTILLATE  
 HAZARD---->IRRITANT ^ TLV--->5 MG/M3\$ 1 ^ PEL--->5 MG/M3\$ 2 ^  
 STEL(TWA)\*->10 MG/M3 ^ CAS#-->64742-52-5 ^  
 -----  
 ANTIMONY DIALKYL DITHIOCARBAMATE  
 HAZARD---->IRRITANT ^ TLV--->0.5 MG/M3 1 ^ PEL--->0.5 MG/M3 ^  
 STEL(TWA)\*->N/E ^ CAS#-->15991-76-1 ^  
 -----  
 ALUMINUM BENZOATE, C16-18 FATTY ACID HYDROXY COMPLEX  
 HAZARD---->IRRITANT ^ TLV--->N/E 1 ^ PEL--->N/E 2 ^  
 STEL(TWA)\*->N/E ^ CAS#-->82980-54-9 ^  
 -----  
 \$ OIL MIST VALUE.  
 HAZARD----> ^ TLV---> ^ PEL---> ^  
 STEL(TWA)\*-> ^ CAS#--> ^  
 -----

(CONTINUED) - SECTION II - HAZARDOUS INGREDIENTS

SECTION III - PHYSICAL DATA

-----  
 BOILING PT. (F) ^ >450 ^ SPEC. GRAVITY (H2O=1) ^ 0.8-0.85  
 -----  
 VAPOR PR. (MM HG) ^ <1 ^ COLOR ^ RED  
 -----  
 VAPOR DENSITY ^ <1 ^ ODOR ^ PETROLEUM  
 -----  
 PH @ 100% ^ N/A ^ CLARITY ^ OPAQUE  
 -----  
 % VOLATILE BY VOL ^ NIL ^ EVAPORATION RATE ^ <1  
 (BU A/C = 1)  
 -----  
 H2O SOLUBILITY ^ NEGLIGIBLE  
 -----  
 VISCOSITY ^ VISCOUS  
 -----

SECTION IV - FIRE AND EXPLOSION HAZARD

-----  
 FLASH POINT: 500 F ^ FLAMMABLE LIMITS ^ LEL ^ UEL  
 T.C.C. ^ N/E ^ N/E ^ N/E  
 -----  
 EXTINGUISHING MEDIA "ALCOHOL" DRY WATER  
 X <--FOAM <--FOAM X <--CO2 X <--CHEMICAL X <--SPRAY <--OTHER  
 -----  
 SPECIAL FIRE FIGHTING PROCEDURES  
 FIREFIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS AND FULL  
 PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT  
 BURSTING.  
 -----  
 UNUSUAL FIRE AND EXPLOSION HAZARDS  
 SPILLED MATERIAL MAY BE SLIPPERY. PRODUCT MAY PRODUCE A FLOATING FIRE  
 HAZARD AS LIQUID FLOATS ON WATER. DO NOT SPRAY A DIRECT STREAM OF WATER  
 INTO PRODUCT AS FROTHING AND SPATTERING MAY OCCUR  
 -----  
 NFPA HAZARD RATING (0=INSIGNIFICANT; 1=SLIGHT; 2=MODERATE; 3=HIGH; 4=EXTREME):  
 1 <--HEALTH 1 <--FLAMMABILITY 0 <--REACTIVITY <--SPECIAL  
 -----

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:  
NOT ESTABLISHED FOR THIS PRODUCT MIXTURE. SEE SECTION II.

EFFECTS OF OVEREXPOSURE :

- ACUTE - (SHORT TERM EXPOSURE)  
EYE CONTACT: MAY CAUSE MILD IRRITATION SEEN AS TEARING.  
INGESTION: MAY CAUSE GASTROINTESTINAL IRRITATION SEEN AS NAUSEA AND  
DIARRHEA IF LARGE AMOUNTS ARE SWALLOWED.

- CHRONIC - (LONG TERM EXPOSURE)  
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING SKIN  
CONDITIONS SUCH AS DERMATITIS.  
NO CHRONIC DATA AVAILABLE.  
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.  
NO CHRONIC DATA AVAILABLE.

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:  
RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING  
WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF  
IRRITATION DEVELOPS.

SKIN CONTACT:  
WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES.  
SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

INGESTION :  
GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING  
OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT  
OCCURS.

NOTES TO PHYSICIAN :

N/A

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

HYDROTREATED HEAVY NAPHTHENIC DISTILLATE  
ORL-RAT LD50: >5 G/KG 3.  
SKN-RBT LD50: >2 G/KG 3.  
ALUMINUM BENZOATE  
NO TOXICITY DATA AVAILABLE.  
ANTIMONY DIALKYLDITHIOCARBAMATE  
ORL-RAT LD50: 16,400 MG/KG 4.  
SKN-RBT LD50: 16,000 MG/KG 4.  
BARIUM DINONYLNAPHTHALENE SULFONATE  
SKN-RBT LD50: >20 G/KG 3.  
IHL-RAT LC50: >16 M/L 3.  
ORL-RAT LD50: 1.75 G/KG 3.

SECTION VII - REACTIVITY DATA

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

NONE KNOWN.

INCOMPATABILITY (MATERIALS TO AVOID) :  
OXIDIZING AGENTS SUCH CHLORINE BLEACH AND CONCENTRATED OXYGEN.

HAZARDOUS DECOMPOSITION PRODUCTS  
OXIDES OF CARBON, NITROGEN AND SULFUR.

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:  
CONTAIN SPILL, ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL  
MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL.  
USE CARE AS SPILLS MAY BE SLIPPERY.

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WASTE DISPOSAL METHOD(S):  
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.  
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NEUTRALIZING AGENT :  
NONE KNOWN.  
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## SECTION IX - SPECIAL PROTECTION INFORMATION

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REQUIRED VENTILATION :  
GENERAL EXHAUST IS ADEQUATE.  
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RESPIRATORY PROTECTION :  
NONE REQUIRED.  
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GLOVE PROTECTION :  
NONE UNDER NORMAL CONDITIONS OF USE.  
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EYE PROTECTION :  
NONE UNDER NORMAL CONDITIONS OF USE.  
-----

OTHER PROTECTION :  
WEAR GENERAL DUTY WORK CLOTHING AND SHOES.  
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## SECTION X - STORAGE AND HANDLING INFORMATION

-----  
STORAGE TEMPERATURE      INDOOR      HEATED      REFRIGERATED      OUTDOOR  
MAX: 100 F    MIN: 32 F      X  
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PRECAUTIONS TO BE TAKEN IN HANDLING & STORING  
IF STORED OUTSIDE, PLACE CONTAINER ON ITS SIDE TO  
PREVENT WATER COLLECTING TO TOP OF DRUM AND  
CONTAMINATING THE PRODUCT. STORE CARTRIDGES UP-  
RIGHT TO PREVENT LEAKAGE.  
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OTHER PRECAUTIONS  
KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE  
LABEL BEFORE USING THIS PRODUCT.  
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## SECTION XI - REGULATORY INFORMATION

CHEMICAL NAME	C.A.S NUMBER	UPPER % LIMIT
BARIUM COMPOUNDS	N/A	5
ANTIMONY COMPOUNDS	N/A	5

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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 USE (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.  
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THIS MSDS IS NOT SUITABLE FOR USERS  
IN THE STATE OF CALIFORNIA.  
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## 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 BIOLOGICAL EXPOSURE INDICES, ACGIH, 1999.
2. OSHA PEL
3. VENDOR'S MSDS
4. SAX'S DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, EIGHTH EDITION, RICHARD J. LEWIS, SR.

ALL COMPONENTS IN THIS PRODUCT CAN BE FOUND IN THE CURRENT TSCA INVENTORY.

IRR: IRRITANT, FLAM/FLAMM: FLAMMABLE, COMB: COMBUSTIBLE, CORR: CORROSIVE  
 CARC: CARCINOGENIC, TOX: TOXIC, N/A: NOT APPLICABLE, N/E: NOT ESTABLISHED,  
 CFC: CLEVELAND OPEN CUP, PMCC: PENSKY-MARTIN CLOSED CUP, TCC: TAGLIABUE  
 CLOSED 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 CONFERENCE OF 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: ASPHYXIAN, PNO: PARTICULATES NOT OTHERWISE CLASSI-

\* 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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 OR DISPOSAL OF THE PRODUCT IN A MANNER NOT RECOMMENDED ON THE  
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