

NEW AVENUE INDUSTRIES, INC.
7731 KESTER AVENUE
VAN NUYS, CALIFORNIA 91405
818-997-1931

MATERIAL SAFETY DATA SHEET

FORMULA 10

PAGE : 01

(061627-0580 -V0236705-T666

DATE OF ISSUE
03/17/94

SUPERSEDES
01/10/94

SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS
N/A
TRADE NAME & SYNONYMS
FORMULA 10
CHEMICAL FAMILY
THIOSULFATE SOLUTION
FORMULA
X<- MIXTURE
MANUFACTURERS NAME:
CERTIFIED LABS, DIV. OF NCH CORP.
ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE)
BOX 152170
IRVING, TEXAS 75015
PREPARED BY:
B SANFORD/CHEMIST
PRODUCT CODE NUMBER
T666
EMERGENCY TELEPHONE NUMBER
214-438-1381

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS.

CHEMICAL NAME (INGREDIENTS)
SODIUM THIOSULFATE PENTAHYDRATE
HAZARD: --EYE IRR. TLV-->NOT EST. 1 PEL-->NOT EST. 2
STEL(TWA)* --NOT EST. CAS#-->10102-17-7
CHEMICAL NAME (INGREDIENTS)
SODIUM LAURYL SULFATE
HAZARD: --EYE IRR. TLV-->NOT EST. 1 PEL-->NOT EST. 2
STEL(TWA)* --NOT EST. CAS#-->151-21-3

SECTION III - PHYSICAL DATA

(CONTINUED) FORMULA 10
SECTION III - PHYSICAL DATA
PAGE : 02
BOILING PT. (FAHRENHEIT) 212
SPEC GRAVITY (H2O=1) 1.025
VAPOR PRESSURE (MM HG) 18
COLOR WATER-WHITE
VAPOR DENSITY (AIR=1) 0.6
ODOR BABY POWDER
PH @ 100X 8.5
CLARITY TRANSPARENT
PERCENT VOLATILE BY VOLUME (%) 96
EVAPORATION RATE (BU AC = 1) 0.10
SOLUBILITY IN WATER COMPLETE
VISCOSITY NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (METHOD USED) NON-FLAM T.C.C.
FLAMMABLE LIMITS
EXTINGUISHING MEDIA *ALCOHOL*
X<-FOAM X<-CO2 X<-CHEMICAL X<-WATER SPRAY X<-OTHER
SPECIAL FIRE FIGHTING PROCEDURES
PRODUCT IS NON-FLAMMABLE, CHOOSE EXTINGUISHING MEDIA APPROPRIATE FOR THE SURROUNDING FIRE. IN ALL FIRES INVOLVING CHEMICALS, WEAR A SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.
UNUSUAL FIRE & EXPLOSION HAZARDS
SODIUM SULFIDE (THERMAL DECOMPOSITION PRODUCT) IS FLAMMABLE AND A STRONG IRRITANT TO TISSUE INCOMPATIBLE WITH ACIDS. TEMPERATURES > 212 F. CAN YIELD SULFUR DIOXIDE.
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 MIXTURE. SEE SECTION II.
EFFECTS OF OVEREXPOSURE
- ACUTE - (SHORT TERM EXPOSURE)
- MAY CAUSE SLIGHT SKIN IRRITATION -

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(CONTINUED)

FORMULA 10
SECTION V - HEALTH HAZARD DATA

PAGE : 2

DIRECT CONTACT WITH EYES FOR A PROLONGED PERIOD OF TIME CAN CAUSE CORNEAL REDNESS, PROLONGED UNOILUTED SKIN CONTACT MAY CAUSE REDDENING OF SKIN, IRRITATION LEADING POTENTIALLY TO DERMATITIS.
 *TARGET ORGANS: NONE.
 ALTHOUGH THERE IS NO PRIMARY ROUTE OF ENTRY INTO THE BODY, THE PRIMARY ROUTE OF EXPOSURE IS SKIN CONTACT.
 PRIMARY ROUTE OF ENTRY: <-- INHALATION <-- INGESTION <-- ABSORPTION
 EMERGENCY & FIRST AID PROCEDURES
 INHALATION:
 NORMALLY NOT A HAZARD, BUT IF EFFECTS ARE FELT, GET TO FRESH AIR AND TREAT SYMPTOMATICALLY. GET MEDICAL ATTENTION IF IRRITATION OR DIFFICULTY IN BREATHING PERSISTS.
 EYE CONTACT:
 RINSE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING EYES WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.
 SKIN CONTACT:
 WASH WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF ANY IRRITATION DEVELOPS.
 INGESTION:
 GIVE 3 TO 4 GLASSES OF WATER BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS GIVE FLUIDS AGAIN. GET IMMEDIATE MEDICAL ATTENTION.
 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 X<--NO X<--NO X<--NO X<--NO X<--NO
 SODIUM THIOSULFATE PENTAHYDRATE 3.
 ORL-HMN TDLO: 300MG/KG/70 PUL 3.
 IVN-DOG TDLO: 3000MG/KG 3.
 LARGE AMOUNTS OF SODIUM THIOSULPHATE TAKEN ORALLY HAVE NO ILL EFFECTS
 BESIDES CATHARTIC 3.
 SODIUM LAURYL SULFATE 3.
 ORL-RAT LD50: 1288 MG/KG 3.
 SKN-HMN 250 MG/24H MILD 3.
 EYE-RBT 100 MG/25H MOD 3.
 PRODUCT MIXTURE
 PRODUCT MIXTURE WAS TESTED AND PER FHSA/CPSC REGULATIONS WAS DETERMINED NOT TO BE AN EYE IRRITANT.
 PRIMARY IRRITATION TEST (SKIN RABBIT): 1.34, NOT A PRIMARY SKIN IRRITANT.

FORMULA 10

SECTION VII - REACTIVITY DATA

PAGE : 04

STABILITY | X<--STABLE <--UNSTABLE | CONDITIONS TO AVOID
 TEMPERATURES GREATER THAN 212 F.
 INCOMPATIBILITY (MATERIALS TO AVOID)
 STRONG OXIDIZERS CAUSE VIGOROUS EXOTHERMIC REACTIONS. ACIDS RE-LEASE SULFUR DIOXIDE GAS. AVOID H2O-REACTIVE CHEMICALS (SODIUM).
 HAZARDOUS DECOMPOSITION PRODUCTS
 OXIDES OF SULFUR AND SODIUM SULFIDE.
 HAZARDOUS | WILL NOT | MAY | CONDITIONS TO AVOID
 POLYMERIZATION | X<--OCCUR <--OCCUR |
 N/A

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 FLUSH SURFACE WITH LARGE VOLUMES OF WATER & FLUSH DOWN DRAIN IF PERMITTED BY APPLICABLE DISPOSAL REGULATIONS. WASTE MATERIALS MIGHT HAVE TO BE DISPOSED OF BY AN APPROVED CONTRACTOR.
 WASTE DISPOSAL METHOD
 DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
 NEUTRALIZING AGENT
 FLUSH WITH LARGE AMOUNTS OF WATER.

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION
 GENERAL EXHAUST IS ADEQUATE.
 RESPIRATORY PROTECTION
 IF MISTY CONDITIONS PREVAIL, WEAR NIOSH APPROVED MIST RESPIRATOR.
 PROTECTIVE GLOVES
 NOT NORMALLY REQUIRED WITH TYPICAL USE OF THE PRO-DUCT.
 EYE PROTECTION
 SAFETY GLASSES.

(CONTINUED)

SECTION V - HEALTH HAZARD DATA

PAGE : 03

FORMULA 10

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TARGET ORGANS: NONE

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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.

NOTES TO PHYSICIAN: N/A

SECTION VI - TOXICITY INFORMATION

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X<--NO	X<--NO	X<--NO	X<--NO	X<--NO	X<--NO
SODIUM THIOSULFATE PENTAHYDRATE					
ORL-HMN TDLO: 300MG/KG/7D PUL		3			
LVN-DOG LDLO: 3000MG/KG		3			
LARGE AMOUNTS OF SODIUM THIOSULPHATE TAKEN ORALLY HAVE NO ILL EFFECTS					
BESIDES CATHARSIS					
SODIUM LAURYL SULFATE		3			
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HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF SULFUR AND SODIUM SULFIDE.

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

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

FLUSH SURFACE WITH LARGE VOLUMES OF WATER & FLUSH DOWN DRAIN IF PERMITTED BY APPLICABLE DISPOSAL REGULATIONS. WASTE MATERIALS MIGHT HAVE TO BE DISPOSED OF BY AN APPROVED CONTRACTOR.

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

NEUTRALIZING AGENT: FLUSH WITH LARGE AMOUNTS OF WATER.

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION: GENERAL EXHAUST IS ADEQUATE.

RESPIRATORY PROTECTION: IF MISTY CONDITIONS PREVAIL, WEAR NIOSH APPROVED MIST RESPIRATOR.

PROTECTIVE GLOVES: NOT NORMALLY REQUIRED WITH TYPICAL USE OF THE PRODUCT.

EYE PROTECTION: SAFETY GLASSES.