

11/18

MATERIAL SAFETY DATA SHEET: DE-MARK AEROSOL
 (000000-000000- -5069) DATE OF ISSUE
 08/15/96

PAGE : 1

SUPERSEDES
09/29/95

SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS: N/A
 TRADE NAME & SYNONYMS: DE-MARK AEROSOL
 CHEMICAL FAMILY: XYLENE SOLVENT
 FORMULA: X <- MIXTURE
 MANUFACTURE'S NAME: CERTIFIED LABS, DIV. OF NCH CORP.
 ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE):
 BOX 152170
 IRVING, TEXAS 75015
 PREPARED BY: G ZIMMERMAN/CHEMIST
 PRODUCT CODE NUMBER: 5069
 EMERGENCY TELEPHONE NUMBER: 972-438-1381

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

CHEMICAL NAME (INGREDIENTS):	HAZARD	TLV	PEL
XYLENE*	HAZARD---->FLAMM/IRR STEL(TWA)*-->150PPM	TLV--->100PPM 1 CAS#-->1330-20-7	PEL--->100PPM 2.
ETHYL BENZENE*	HAZARD---->FLAM/IRR. STEL(TWA)*-->125PPM	TLV--->100PPM 1 CAS#-->100-41-4	PEL--->100PPM 2.
OCTYLPHENOXYPOLYETHOXYETHANOL*	HAZARD---->ASPHYXIAN STEL(TWA)*-->N/A	TLV--->NOT EST. 1 CAS#-->9036-19-5	PEL--->NOT EST. 2
PROPANE*	HAZARD---->FLAMM. STEL(TWA)*-->N/A	TLV--->NOT EST. 1 CAS#-->74-98-6	PEL--->1000PPM 2
ISOBUTANE*	HAZARD---->FLAMMABLE STEL(TWA)*-->N/A	TLV--->NOT EST. 1 CAS#-->75-28-5	PEL--->NOT EST. 2

MATERIAL SAFETY DATA SHEET: DE-MARK AEROSOL

PAGE : 2

(CONTINUED) - SECTION II - HAZARDOUS INGREDIENTS

SECTION IIIA - NON-HAZARDOUS INGREDIENTS

NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE
 SECRET REGISTRY # 409363-5010P

SECTION III - PHYSICAL DATA

BOILING PT. (F)	1BP 210	SPEC. GRAVITY (H2O=1)	0.925
VAPOR PR. (MM HG)	12	COLOR	WHITE
VAPOR DENSITY	0.6	ODOR	XYLENE
PH. @ 100%	9.0	CLARITY	OPAQUE
% VOLATILE BY VOL	93	EVAPORATION RATE (BU A/C = 1)	1
H2O SOLUBILITY	APPRECIABLE		
VISCOSITY	VISCOUS		

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT: 100 F. T.O.C.	FLAMMABLE LIMITS	LEL	UEL
		N/A	N/A
EXTINGUISHING MEDIA "ALCOHOL" X <- FOAM	X <- CO2	X <- DRY CHEMICAL	X <- WATER SPRAY
			<- OTHER

Facsimile Fax Note	7671	Date 11-18-96	Page 9
To: Tom Phokas	From: [Signature]		
Call Dept.	Call: [Signature]		
Phone #	Phone # 800-454-5383		
Fax #	Fax #		

MATERIAL SAFETY DATA SHEET: DE-MARK AEROSOL

PAGE : 3

(CONTINUED) - SECTION IV - FIRE AND EXPLOSION HAZARD

SPECIAL FIRE FIGHTING PROCEDURES

SPRAY WATER ON AEROSOL CONTAINERS TO COOL THEM AND AVOID RUPTURING AEROSOL CONTAINER.

UNUSUAL FIRE AND EXPLOSION HAZARDS

FLAME EXTENSION: 36"

BURNBACK: 2 - 3"

AEROSOL LEVEL (NFPA 308) : 1

NFPA HAZARD RATING (0=INSIGNIFICANT;1=SLIGHT;2=MODERATE;3=HIGH;4=EXTREME):
2 <--HEALTH 3 <--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)
 INHALATION MAY BE SLIGHTLY IRRITATING TO MUCOUS MEMBRANES AND CAN LEAD TO CENTRAL NERVOUS SYSTEM DEPRESSION WITH EFFECTS OF HEADACHE, DIZZINESS AND NAUSEA AND LOSS OF CONSCIOUSNESS. EYE IRRITANT AND DEFATS SKIN WHICH CAN LEAD TO IRRITATION. INGESTION MAY RESULT IN VOMITING; ASPIRATION MUST BE AVOIDED TO AVOID CHEMICAL PNEUMONITIS WHICH CAN CAUSE LUNG DAMAGE AND POSSIBLE DEATH IF SEVERE CASES.

- CHRONIC - (LONG TERM EXPOSURE)
 MARKED IRRITATION OF SKIN AND EYES UPON CHRONIC OVEREXPOSURE. MASSIVE CONTINUAL OVEREXPOSURE CAN LEAD TO LIVER AND KIDNEY DAMAGE.
 TARGET ORGANS: LIVER, KIDNEYS.

PRIMARY ROUTE OF ENTRY: X<-- INHALATION <-- INGESTION <-- ABSORPTION

EMERGENCY & FIRST AID PROCEDURES

MATERIAL SAFETY DATA SHEET: DE-MARK AEROSOL

PAGE : 4

(CONTINUED) - SECTION V - HEALTH HAZARD DATA

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 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, 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 :
 IF > 2-0 MEGALY HAS BEEN INGESTED AND VOMITING HAS NOT OCCURRED, INDUCE EMESIS CAREFULLY. KEEP HEAD BELOW HIPS TO AVOID ASPIRATION. IF GAG REFLEX IS INHIBITED OR UNCONSCIOUSNESS HAS OCCURRED, GASTRIC LAVAGE USING A CUFFED ENDOTRACHEAL TUBE IS INDICATED.

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

XYLENE
 ORC-RAT LD50: 5.2G/KG 3.

MATERIAL SAFETY DATA SHEET: DE-MARK AEROSOL

PAGE : 5

(CONTINUED) - SECTION VI - TOXICITY INFORMATION

SKN-RBT LD50: > 3.95G/KG 3.
INH-RAT LC50: 6350PPM (4H) 3.
OCTYLPHENOXYPOLYETHOXYETHANOL
EYE-RBT 1X SEVERE 3.
ORL-MUS LD50: 3500MG/KG 3.

SECTION VII - REACTIVITY DATA

STABILITY	X <--STABLE	<--UNSTABLE	CONDITIONS TO AVOID
N/A			

INCOMPATIBILITY (MATERIALS TO AVOID) :
OPEN FLAME, STRONG COMPOUNDS.

HAZARDOUS DECOMPOSITION PRODUCTS
CARBON MONOXIDE AND OTHER ORGANIC COMPOUNDS.

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:
DUE TO THE NATURE OF THE AEROSOL 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.

MATERIAL SAFETY DATA SHEET: DE-MARK AEROSOL

PAGE : 6

(CONTINUED) - SECTION VIII - SPILL OR LEAK PROCEDURES

NEUTRALIZING AGENT :
NONE KNOWN.

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION :

LOCAL EXHAUST VENTILATION SUFFICIENT TO MAINTAIN WORKPLACE CONCENTRATION
BELOW PERMISSIBLE EXPOSURE LIMITS.

RESPIRATORY PROTECTION :
A NIOSH/MSHA APPROVED RESPIRATOR IN POORLY VENTILATED AREAS AND/OR FOR
EXPOSURE ABOVE THE ACGIH TLV OR OSHA PEL OR WHERE MISTING EXISTS.

GLOVE PROTECTION :
NEOPRENE OR NITRILE RUBBER GLOVES SHOULD BE WORN
IF PROLONGED SKIN CONTACT IS ANTICIPATED.

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

OTHER PROTECTION :
N/A

MATERIAL SAFETY DATA SHEET: DE-MARK AEROSOL

PAGE : 7

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE	INDOOR	HEATED	REFRIGERATED	OUTDOOR
MAX: 120 F. MIN: 35 F.	X			

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
KEEP AWAY FROM IGNITION SOURCES. CONTENTS UNDER
PRESSURE. STORE AT MODERATE TEMPERATURES.

OTHER PRECAUTIONS
KEEP OUT OF REACH OF CHILDREN.
READ ENTIRE LABEL BEFORE USE.
NEVER POINT SPRAY HEAD TOWARD FACE.

SECTION XI - REGULATORY INFORMATION

CHEMICAL NAME	C.A.S NUMBER	UPPER % LIMIT
XYLENE	1330-20-7	60

THOSE INGREDIENTS LISTED ABOVE ARE SUBJECT TO THE REPORTING REQUIREMENTS OF
312 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF
1986 AND 40 CFR PART 372.
IF USE (USE EXEMPTION) C-2 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:
Ethlene Oxide (1) as a trace contaminant.

MATERIAL SAFETY DATA SHEET: DE-MARK AEROSOL

PAGE : 8

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 VALUE FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND
BIOLOGICAL EXPOSURE INDICES, ACGIH, 1991-1992.
 2. OSHA PEL
 3. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 7TH EDITION,
W. IRVING SAX AND RICHARD J. LEVITS, SR.
- * THE PERCENTAGES OF THE HAZARDOUS INGREDIENTS ARE PROTECTED BY THE
MASS. TRADE SECRET # TS-99-227-001.

* SHORT TERM EXPOSURE LIMIT (TWA) LISTED AS FINAL RULE LIMITS PUBLISHED IN
THE FEDERAL REGISTER/VOL. 54, NO. 12, 1-19-89

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE IN
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OR DISPOSAL OF THE PRODUCT IN A MANNER NOT RECOMMENDED ON THE
PRODUCT LABEL. USERS ASSUME ALL RISKS ASSOCIATED WITH SUCH
UNRECOMMENDED USE, STORAGE, OR DISPOSAL OF THE PRODUCT.