

Hoechst Celanese

Hoechst Celanese Corporation
Electronic Products Division
P.O. Box 3700
50 Meister Avenue
Somerville, NJ 08878-1258

Material Safety Data Sheet

THE EMERGENCY PHONE NUMBERS ARE: CHEMTREC (800) 424-9300
HOECHST CELANESE (908) 231-5423
FOR (NON EMERGENCY) PRODUCT INFORMATION CALL: (908) 231-5566

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-----PRODUCT IDENTIFICATION-----

PRODUCT NAME:
DYNALITH(R) OMR-83 NEGATIVE PHOTORESIST, 100 CPS
CHEMICAL FAMILY:
POLYISOPRENE IN ORGANIC SOLVENT.

VERSION DATE: 08/05/93
DATE PRINTED: 11/05/93
MSDS NUMBER: 50008016

-----HAZARDOUS INGREDIENTS-----

INGREDIENT:
* XYLENE, XYLOL, DIMETHYLBENZENE
CAS# 1330-20-7

PERCENT: 90
HAZARD DATA:
INHALATION, CONTACT HAZARD.
FLAMMABLE.
SEE EFFECTS OF OVEREXPOSURE

* PENNSYLVANIA RIGHT TO KNOW LIST

OTHER:
POLYISOPRENE,
CAS# 9003-31-0

NJ AND PA RIGHT-TO-KNOW LISTINGS.
"OTHER" LISTINGS NOT ON ANY STATE
R-T-K LIST OR DEFINED AS HAZARDOUS

-----PHYSICAL DATA-----

PHYSICAL DATA	LOW	HIGH	UNITS	COMMENT
BOILING POINT		280	°F	
SOLUBILITY IN WATER				INSOLUBLE
% VOLATILE		90		
SPECIFIC GRAVITY (WATER =1)		0.88		
EVAPORATION RATE		0.6		<BUTYL ACETATE
VAPOR DENSITY (AIR=1)		3.7		

APPEARANCE AND ODOR:
CLEAR, LIGHT YELLOW LIQUID; ODOR OF XYLENE.

-----FIRE AND EXPLOSION HAZARDS-----

FLASH POINT: 83 °F TCC
EXPLOSIVE LIMIT: LOWER: 1.0% UPPER: 7.0%

EXTINGUISHING MEDIA:
CARBON DIOXIDE, WATER, ALCOHOL FOAM OR DRY CHEMICAL.

SPECIAL PROCEDURES:
USE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.


UNUSUAL HAZARDS:
SOLVENT VAPORS. SEE HAZARDOUS INGREDIENTS AND HEALTH INFORMATION.
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

-----HEALTH INFORMATION-----

PRIMARY ROUTE OF EXPOSURE: INHALATION; YES SKIN ABSORPTION: YES INGESTION: NO
ALSO SKIN AND EYE CONTACT WITH LIQUID AND VAPORS.

EFFECTS OF OVEREXPOSURE:
THIS PRODUCT CONTAINS XYLENE, WHICH IS A SKIN, EYE AND MUCOUS
MEMBRANE IRRITANT. ON INGESTION, XYLENE CAUSES SEVERE GASTRO-
INTESTINAL DISTRESS; WHEN INHALED, HIGH CONCENTRATIONS OF
XYLENE VAPORS CAUSE DIZZINESS, EXCITEMENT, DROWSINESS,
INCOORDINATION, STAGGERING GAIT, EYE, NOSE AND THROAT IRRITATION,
CORNEAL VACUOLIZATION, ANOREXIA, NAUSEA, VOMITING, ABDOMINAL PAIN
AND DERMATITIS. XYLENE CHRONIC EXPOSURE IS SIMILAR TO ACUTE BUT

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-----HEALTH INFORMATION----- (CONTINUED)

SYMPTOMS ALSO INCLUDE HEADACHE; IMPAIRED MEMORY; LIVER EFFECTS; AND WEAKNESS. DIRECT CONTACT WITH XYLENE (LIQUID) CAN CAUSE DERMATITIS. XYLENE IS READILY ABSORBED THROUGH THE SKIN. IT IS REPORTED TO CAUSE DEVELOPMENTAL AND FETO/EMBRYO TOXICITY, BUT ONLY AT MATERNALLY TOXIC DOSES. XYLENE IS READILY ABSORBED THROUGH THE LUNGS AND PRODUCES MINOR REVERSIBLE EFFECTS ON THE KIDNEY AND LIVER IN TEST ANIMALS.

MEDICAL CONDITIONS AGGRAVATED:
PREEXISTING SKIN, EYE AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED.

CARCINOGEN: IARC: NO NTP: NO OSHA: NO

-----OCCUPATIONAL EXPOSURE LIMITS-----

T.L.V.: XYLENE 100 PPM

-----EMERGENCY AND FIRST AID PROCEDURE-----

INHALATION:
REMOVE VICTIM TO FRESH AIR. CONSULT PHYSICIAN IF IRRITATION OCCURS.

EYE CONTACT:
FLUSH THOROUGHLY WITH WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL HELP.

SKIN CONTACT:
IMMEDIATELY REMOVE CONTAMINATED CLOTHING AND WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER.
CONSULT PHYSICIAN IF EXPOSURE IS EXTENSIVE OR IRRITATION OCCURS.

INGESTION:
IF PERSON IS CONSCIOUS, GIVE WATER OR MILK TO DILUTE STOMACH CONTENTS.
CONSULT PHYSICIAN.

ADDITIONAL MEASURES:
ADMINISTER OXYGEN IF THERE IS DIFFICULTY IN BREATHING.

-----REACTIVITY DATA-----

CHEMICAL STABILITY: STABLE HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID:
AVOID CONTACT WITH OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS:
THERMAL DECOMPOSITION MAY GENERATE CARBON MONOXIDE AND CARBON DIOXIDE AS WELL AS VOLATILE ORGANIC RESIDUES.

-----SPILL OR LEAK PROCEDURES/WASTE DISPOSAL-----

SPILL OR LEAK PROCEDURES:
WEARING APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT, CONTAIN SPILL, VENTILATE AREA OF SPILL OR LEAK
REMOVE ALL SPARKING DEVICES OR IGNITION SOURCES.
COLLECT ONTO INERT ABSORBENT. PLACE IN SUITABLE CONTAINER.

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-----SPILL OR LEAK PROCEDURES/WASTE DISPOSAL----- (CONTINUED)

WASTE DISPOSAL:
DISPOSE OF OR INCINERATE IN ACCORDANCE WITH REGULATIONS.
LISTED AS A HAZARDOUS SUBSTANCE, AS DEFINED IN THE COMPREHENSIVE
ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT OF 1980.

-----EMPLOYEE PROTECTION-----

RESPIRATORY PROTECTION:
CHEMICAL CARTRIDGE RESPIRATOR RECOMMENDED FOR EXPOSURES EXCEEDING TLV.
SEE SPECIAL PRECAUTIONS.

PROTECTIVE CLOTHING:
CLOTHING SUITABLE TO PREVENT SKIN CONTACT.
SAFETY EYEWEAR TO PROTECT AGAINST SPLASHES.
RUBBER GLOVES.

ADDITIONAL PROTECTIVE MEASURES:
USE LOCAL EXHAUST VENTILATION.
CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS CHEMICAL.

-----SPECIAL PRECAUTIONS-----

KEEP AWAY FROM HEAT SPARKS AND FLAME.
STORE IN ORIGINAL CONTAINER.
TRANSPORT AND STORE UNDER DRY CONDITIONS TIGHTLY CLOSED

-----OTHER REGULATORY CONTROLS-----

OTHER REGULATORY CONTROLS:
THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

THIS PRODUCT CONTAINS THE CHEMICAL OR CHEMICALS LISTED BELOW,
WHICH ARE SUBJECT TO THE SUPPLIER NOTIFICATION REQUIREMENTS OF
SECTION 313 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF
1986 ("SARA") AND THE REQUIREMENTS OF 40 CFR PART 372.

SARA INGREDIENTS	CAS#	%
XYLENE	1330-20-7	90

OSHA PHYSICAL HAZARDS:
FLAMMABLE

OSHA HEALTH HAZARDS:
EYE HAZARD
IRRITANT
LIVER TOXIN
LUNG TOXIN
NERVE SYSTEM TOXIN
REPRODUCTIVE TOXIN
SKIN HAZARD

SARA HAZARD CLASS:
ACUTE: YES CHRONIC: YES FIRE HAZARD: YES PRESSURE: NO REACTIVITY: NO

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