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SAFETY DATA SHEET

SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #: 27674

NAME: 4,4'-Methylene-bis(2-chloroaniline)

SYNONYMS: 4,4'-Diamino-3,3'-dichlorodiphenyl methane

24 HOUR EMERGENCY

TELEPHONE:

(800) 535-5053(USA)

352-323-3500 (INTERNATIONAL)

TO REQUEST AN MSDS: (800) 869-9290

CUSTOMER SERVICE:

(630) 766-2112

SECTION 2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS)

ACUTE TOXICITY, ORAL (CATEGORY 4), H302 GERM CELL MUTAGENICITY (CATEGORY 2), H341 CARCINOGENICITY (CATEGORY 1B), H350 ACUTE AQUATIC TOXICITY (CATEGORY 1), H400 CHRONIC AQUATIC TOXICITY (CATEGORY 1), H410 FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

PICTOGRAM

SIGNAL WORD DANGER

HAZARD STATEMENT(S)

H302 HARMFUL IF SWALLOWED.

H341 SUSPECTED OF CAUSING GENETIC DEFECTS.

H350 MAY CAUSE CANCER.

H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING

EFFECTS.

PRECAUTIONARY STATEMENT(S)

P201 OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.

P202 DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE

BEEN READ AND UNDERSTOOD.

P264 WASH SKIN THOROUGHLY AFTER HANDLING. P270 DO NOT EAT, DRINK OR SMOKE WHEN USING THIS

PRODUCT.

P273 AVOID RELEASE TO THE ENVIRONMENT.

P281 USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. P301 + P312 + P330 IF SWALLOWED: CALL A POISON CENTER OR DOCTOR/

PHYSICIAN IF YOU FEEL UNWELL, RINSE MOUTH.

P308 + P313 IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/

ATTENTION.

P391 COLLECT SPILLAGE. P405 STORE LOCKED UP.

P501 DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED

WASTE DISPOSAL PLANT.

HAZARDS NOT NONE

OTHERWISE

CLASSIFIED (HNOC) OR NOT COVERED

BY GHS

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MF: $C_{13}H_{12}Cl_2N_2$

MW: 267.16

CAS-NO. 101-14-4

PURITY: ≥85%

HAZARDOUS COMPONENTS

COMPONENT	CLASSIFICATION	CONCENTRATION		
4,4"-METHYLENE BIS(2-CHLOROANILINE) INCLUDED IN THE CANDIDATE LIST OF				
SUBSTANCES OF VERY HIGH CONCERN (SVHC) ACCORDING TO REGULATION (EC)				
NO. 1907/2006 (REACH)				
	ACUTE TOX. 4; MUTA. 2;	<= 100%		
	CARC. 1B; AQUATIC ACUTE 1;			
	AQUATIC CHRONIC 1; H302,			
	H341, H350, H410			

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

SECTION 4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL ADVICE CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA

SHEET TO THE DOCTOR IN ATTENDANCE.MOVE OUT

OF DANGEROUS AREA.

IF INHALED IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF

NOT BREATHING, GIVE ARTIFICIAL RESPIRATION.

CONSULT A PHYSICIAN.

IN CASE OF SKIN WASH OFF WITH SOAP AND PLENTY OF WATER.

CONTACT CONSULT A PHYSICIAN.

IN CASE OF EYE FLUSH EYES WITH WATER AS A PRECAUTION.

CONTACT

IF SWALLOWED NEVER GIVE ANYTHING BY MOUTH TO AN

UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER.

CONSULT A PHYSICIAN.

MOST IMPORTANT THE MOST IMPORTANT KNOWN SYMPTOMS AND

SYMPTOMS AND EFFECTS ARE DESCRIBED IN THE LABELLING (SEE

EFFECTS, BOTH ACUTE SECTION 2.2) AND/OR IN SECTION 11 **AND DELAYED**

INDICATION OF ANY NO DATA AVAILABLE IMMEDIATE MEDICAL

IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

SECTION 5. FIRE AND EXPLOSION DATA

SUITABLE USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY

EXTINGUISHING MEDIA CHEMICAL OR CARBON DIOXIDE.

SPECIAL HAZARDS CARBON OXIDES, NITROGEN OXIDES (NOX),

ARISING FROM THE HYDROGEN CHLORIDE GAS

SUBSTANCE OR MIXTURE

ADVICE FOR WEAR SELF-CONTAINED BREATHING APPARATUS FOR

FIREFIGHTERS FIREFIGHTING IF NECESSARY.

FURTHER INFORMATION NO DATA AVAILABLE

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL USE PERSONAL PROTECTIVE EQUIPMENT. AVOID PRECAUTIONS, DUST FORMATION. AVOID BREATHING VAPOURS, MIST

PROTECTIVE OR GAS. ENSURE ADEQUATE VENTILATION. **EQUIPMENT AND** EVACUATE PERSONNEL TO SAFE AREAS. AVOID

EMERGENCY BREATHING DUST.

PROCEDURES FOR PERSONAL PROTECTION SEE SECTION 8.

ENVIRONMENTAL PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS.

DISCHARGE INTO THE ENVIRONMENT MUST BE

AVOIDED.

METHODS AND PICK UP AND ARRANGE DISPOSAL WITHOUT CREATING DUST. SWEEP UP AND SHOVEL. KEEP IN MATERIALS FOR **CONTAINMENT AND** SUITABLE, CLOSED CONTAINERS FOR DISPOSAL.

CLEANING UP

PRECAUTIONS

REFERENCE TO OTHER FOR DISPOSAL SEE SECTION 13.

SECTIONS

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

AVOID CONTACT WITH SKIN AND EYES. AVOID FORMATION OF DUST AND AEROSOLS.FURTHER PROCESSING OF SOLID MATERIALS MAY RESULT IN THE FORMATION OF COMBUSTIBLE DUSTS. THE POTENTIAL FOR COMBUSTIBLE DUST FORMATION SHOULD BE TAKEN INTO CONSIDERATION BEFORE

ADDITIONAL PROCESSING OCCURS.

PROVIDE APPROPRIATE EXHAUST VENTILATION AT

PLACES WHERE DUST IS FORMED. FOR PRECAUTIONS SEE SECTION 2.2. **CONDITIONS FOR SAFE** KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND

STORAGE, INCLUDING WELL-VENTILATED PLACE.

ANY INCOMPATIBILITIES STORAGE CLASS (TRGS 510): NON-COMBUSTIBLE,

ACUTE TOXIC CAT.3 / TOXIC HAZARDOUS MATERIALS OR HAZARDOUS MATERIALS CAUSING CHRONIC

EFFECTS

SPECIFIC END USE(S) APART FROM THE USES MENTIONED IN SECTION 1.2

NO OTHER SPECIFIC USES ARE STIPULATED

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

COMPONENT	CAS-NO.	VALUE	CONTROL	BASIS
			PARAMETERS	
4,4"-METHYLENE	101-14-4	TWA	0.01 PPM	USA. ACGIH
BIS(2-				THRESHOLD
CHLOROANILINE)				LIMIT VALUES
				(TLV)
	REMARKS	METHEMOGLOBINEMIA		
		BLADDER CANCER		
		SUBSTANCES FOR WHICH THERE IS A BIOLOGICAL EXPOSURE INDEX OR INDICES		
		(SEE BEI SECTION)		
		SUSPECTED HUMAN CARCINOGEN		
		DANGER OF CUTANEOUS ABSORPTION		
		TWA	0.010000 PPM	USA. ACGIH
				THRESHOLD
				LIMIT VALUES
				(TLV)
		METHEMOGLOBINEMIA		
		BLADDER CANCER		
		SUBSTANCES FOR WHICH THERE IS A		
			EXPOSURE INDEX	X OR INDICES
		(SEE BEI SECTION)		
		SUSPECTED HUMAN CARCINOGEN		
		DANGER OF CUTANEOUS ABSORPTION		
		TWA	0.02 PPM	USA. OSHA -
			0.22 MG/M3	TABLE Z-1
				LIMITS FOR
				AIR
				CONTAMINANTS
				- 1910.1000
		SKIN NOTATIO	N .	

TWA	0.003000	USA. NIOSH
	MG/M3	RECOMMENDED
		EXPOSURE
		LIMITS
POTENTIAL OCCUPATIONAL CARCINOGEN		
SEE APPENDIX A		
POTENTIAL FOR DERMAL ABSORPTION		
TWA	0.003 MG/M3	USA. NIOSH
		RECOMMENDED
		EXPOSURE
		LIMITS
POTENTIAL OC	CUPATIONAL CA	RCINOGEN
SEE APPENDIX A		
POTENTIAL FOR DERMAL ABSORPTION		

BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS

COMPONENT	CAS-NO.	PARAMETERS	VALUE	BIOLOGICAL	BASIS
				SPECIMEN	
4,4"-METHYLENE	101-14-4	TOTAL MBOCA		URINE	ACGIH -
BIS(2-					BIOLOGICAL
CHLOROANILINE)					EXPOSURE
					INDICES
					(BEI)
	REMARKS	END OF SHIFT (AS SOO	N AS POSSIBLE	AFTER EXPOSURE
		CEASES)			
		TOTAL MBOCA		URINE	ACGIH -
					BIOLOGICAL
					EXPOSURE
					INDICES
					(BEI)
	REMARKS	END OF SHIFT ((AS SOO	N AS POSSIBLE	AFTER EXPOSURE
		CEASES)			

EXPOSURE CONTROLS

APPROPRIATE ENGINEERING CONTROLS HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. WASH HANDS BEFORE BREAKS AND AT THE END OF WORKDAY.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION

SAFETY GLASSES WITH SIDE-SHIELDS CONFORMING TO EN166 USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR EN 166(EU).

SKIN PROTECTION

HANDLE WITH GLOVES. GLOVES MUST BE INSPECTED PRIOR TO USE. USE PROPER GLOVE REMOVAL TECHNIQUE (WITHOUT TOUCHING GLOVE"S OUTER SURFACE) TO AVOID SKIN CONTACT WITH THIS PRODUCT. DISPOSE OF CONTAMINATED GLOVES AFTER USE IN ACCORDANCE WITH APPLICABLE LAWS AND GOOD LABORATORY PRACTICES. WASH AND DRY HANDS.

FULL CONTACT

MATERIAL: NITRILE RUBBER MINIMUM LAYER THICKNESS: 0.11 MM BREAK THROUGH TIME: 480 MIN MATERIAL TESTED:DERMATRIL (KCL 740, SIZE M)

SPLASH CONTACT

MATERIAL: NITRILE RUBBER MINIMUM LAYER THICKNESS: 0.11 MM BREAK THROUGH TIME: 480 MIN MATERIAL TESTED:DERMATRIL (KCL 740, SIZE M)

IF USED IN SOLUTION, OR MIXED WITH OTHER SUBSTANCES, AND UNDER CONDITIONS WHICH DIFFER FROM EN 374, CONTACT THE SUPPLIER OF THE CE APPROVED GLOVES. THIS RECOMMENDATION IS ADVISORY ONLY AND MUST BE EVALUATED BY AN INDUSTRIAL HYGIENIST AND SAFETY OFFICER FAMILIAR WITH THE SPECIFIC SITUATION OF ANTICIPATED USE BY OUR CUSTOMERS. IT SHOULD NOT BE CONSTRUED AS OFFERING AN APPROVAL FOR ANY SPECIFIC USE SCENARIO.

BODY PROTECTION

COMPLETE SUIT PROTECTING AGAINST CHEMICALS, THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF THE DANGEROUS SUBSTANCE AT THE SPECIFIC WORKPLACE.

RESPIRATORY PROTECTION

WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING RESPIRATORS ARE APPROPRIATE USE A FULL-FACE PARTICLE RESPIRATOR TYPE N100 (US) OR TYPE P3 (EN 143) RESPIRATOR CARTRIDGES AS A BACKUP TO ENGINEERING CONTROLS. IF THE RESPIRATOR IS THE SOLE MEANS OF PROTECTION, USE A FULL-FACE SUPPLIED AIR RESPIRATOR. USE RESPIRATORS AND COMPONENTS TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR CEN (EU).

CONTROL OF ENVIRONMENTAL EXPOSURE PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS. DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Pale yellow granule
ODOUR NO DATA AVAILABLE
ODOUR THRESHOLD NO DATA AVAILABLE
PH NO DATA AVAILABLE

MELTING 96-100° C

POINT/FREEZING POINT INITIAL BOILING POINT AND BOILING RANGE

FLASH POINT

EVAPORATION RATE NO DATA AVAILABLE FLAMMABILITY (SOLID, NO DATA AVAILABLE

GAS)

UPPER/LOWER NO DATA AVAILABLE

FLAMMABILITY OR EXPLOSIVE LIMITS

VAPOUR PRESSURE NO DATA AVAILABLE VAPOUR DENSITY NO DATA AVAILABLE

RELATIVE DENSITY 1.26 (Liquid)

WATER SOLUBILITY 0.0138 G/L AT 20 C-OECD TEST GUIDELINE 105 -

SLIGHTLY SOLUBLE

PARTITION COEFFICIENT: LOG POW: 2.5 AT 25 C

N- OCTANOL/WATER

AUTO-IGNITION NO DATA AVAILABLE

TEMPERATURE

DECOMPOSITION NO DATA AVAILABLE

TEMPERATURE

VISCOSITY NO DATA AVAILABLE EXPLOSIVE PROPERTIES NO DATA AVAILABLE OXIDIZING PROPERTIES NO DATA AVAILABLE

OTHER SAFETY INFORMATION

SURFACE TENSION 73.3 MN/M AT 20 C

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY NO DATA AVAILABLE

CHEMICAL STABILITY STABLE UNDER RECOMMENDED STORAGE

CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS NO DATA AVAILABLE

CONDITIONS TO AVOID NO DATA AVAILABLE

INCOMPATIBLE STRONG ACIDS, STRONG BASES, STRONG OXIDIZING

MATERIALS AGENTS

HAZARDOUS OTHER DECOMPOSITION PRODUCTS - NO DATA

DECOMPOSITION AVAILABLE

PRODUCTS IN THE EVENT OF FIRE: SEE SECTION 5

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY LD50 ORAL - RAT - FEMALE - 2,000 MG/KG

(OECD TEST GUIDELINE 423)

INHALATION: NO DATA AVAILABLE

LD50 DERMAL - RAT - MALE AND FEMALE - > 2,000

MG/KG

(OECD TEST GUIDELINE 402)

SKIN NO DATA AVAILABLE

CORROSION/IRRITATION

SERIOUS EYE NO DATA AVAILABLE

DAMAGE/EYE IRRITATION

RESPIRATORY OR SKIN MOUSE

SENSITISATION RESULT: DOES NOT CAUSE SKIN SENSITISATION.

(OECD TEST GUIDELINE 429)

GERM CELL IN VITRO TESTS SHOWED MUTAGENIC EFFECTS

MUTAGENICITY AMES TEST

S. TYPHIMURIUM RESULT: POSITIVE

MAMMAL LUNGS

RESULT: POSITIVE RAT - MALE

RESULT: POSITIVE

CARCINOGENICITY CARCINOGENICITY - RAT - ORAL HEPATOCELLULAR

CARCINOMA

THIS PRODUCT IS OR CONTAINS A COMPONENT THAT

HAS BEEN REPORTED TO BE PROBABLY

CARCINOGENIC BASED ON ITS IARC, OSHA, ACGIH,

NTP, OR EPA CLASSIFICATION. POSSIBLE HUMAN CARCINOGEN

IARC: 1 - GROUP 1: CARCINOGENIC TO HUMANS (4,4"-

METHYLENE BIS(2-CHLOROANILINE))

NTP: REASONABLY ANTICIPATED TO BE A HUMAN

CARCINOGEN (4,4"-METHYLENE BIS(2-

CHLOROANILINE))

OSHA: NO COMPONENT OF THIS PRODUCT PRESENT AT

LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL

CARCINOGEN BY OSHA.

REPRODUCTIVE TOXICITY NO DATA AVAILABLE

SPECIFIC TARGET ORGAN

TOXICITY - SINGLE

EXPOSURE

NO DATA AVAILABLE

SPECIFIC TARGET ORGAN

TOXICITY - REPEATED

EXPOSURE

NO DATA AVAILABLE

ASPIRATION HAZARD NO DATA AVAILABLE

ADDITIONAL RTECS: NOT AVAILABLE

INFORMATION TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL,

PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE

NOT BEEN THOROUGHLY INVESTIGATED.
ABSORPTION INTO THE BODY LEADS TO THE
FORMATION OF METHEMOGLOBIN WHICH IN
SUFFICIENT CONCENTRATION CAUSES CYANOSIS.
ONSET MAY BE DELAYED 2 TO 4 HOURS OR LONGER.
STOMACH - IRREGULARITIES - BASED ON HUMAN

EVIDENCE

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY

TOXICITY TO FISH SEMI-STATIC TEST LC50 - ORYZIAS LATIPES - 0.606

MG/L - 96 H

TOXICITY TO DAPHNIA AND

IMMOBILIZATION EC50 - DAPHNIA MAGNA (WATER

OTHER AQUATIC INVERTEBRATES

FLEA) - 0.916 MG/L - 48 H (OECD TEST GUIDELINE 202)

TOXICITY TO ALGAE GROWTH INHIBITION ERC50 -

PSEUDOKIRCHNERIELLA SUBCAPITATA (ALGAE) ->

0.189 MG/L - 72 H

(OECD TEST GUIDELINE 201)

TOXICITY TO BACTERIA RESPIRATION INHIBITION EC50 - SLUDGE

TREATMENT - > 100 MG/L - 3 H (OECD TEST GUIDELINE 209) PERSISTENCE AND **DEGRADABILITY**

NO DATA AVAILABLE

BIOACCUMULATIVE

POTENTIAL

NO DATA AVAILABLE

MOBILITY IN SOIL NO DATA AVAILABLE

RESULTS OF PBT AND VPVB ASSESSMENT

PBT/VPVB ASSESSMENT NOT AVAILABLE AS

CHEMICAL SAFETY ASSESSMENT NOT

REQUIRED/NOT CONDUCTED

AN ENVIRONMENTAL HAZARD CANNOT BE OTHER ADVERSE EFFECTS

EXCLUDED IN THE EVENT OF UNPROFESSIONAL

HANDLING OR DISPOSAL.

VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING

EFFECTS.

DISPOSAL CONSIDERATIONS SECTION 13.

WASTE TREATMENT METHODS

PRODUCT OFFER SURPLUS AND NON-RECYCLABLE SOLUTIONS

> TO A LICENSED DISPOSAL COMPANY, CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL. DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN

AFTERBURNER AND SCRUBBER.

CONTAMINATED PACKAGING

DISPOSE OF AS UNUSED PRODUCT.

SECTION 14. TRANSPORT INFORMATION

DOT (US)

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCES,

SOLID, N.O.S.(4,4'-Methylene-bis(2-chloroaniline))

UN NUMBER: 3077 CLASS: 9 PACKING GROUP: III REPORTABLE QUANTITY 10 LBS

POISON INHALATION

HAZARD:

NO

IMDG

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

SOLID, N.O.S.(4,4'-Methylene-bis(2-chloroaniline))

UN NUMBER: 3077 9 CLASS: PACKING GROUP: III F-A, S-F EMS-NO: MARINE POLLUTANT: YES

IATA

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

SOLID, N.O.S.(4,4'-Methylene-bis(2-chloroaniline))

UN NUMBER: 3077 CLASS: 9 Ш PACKING GROUP:

FURTHER INFORMATION

EHS-MARK REQUIRED (IMDG CODE 2.10.3) FOR

SINGLE PACKAGINGS AND COMBINATION

PACKAGINGS CONTAINING INNER PACKAGINGS WITH DANGEROUS GOODS > 5L FOR LIQUIDS OR > 5KG FOR

SOLIDS.

SECTION 15. REGULATORY INFORMATION

SARA 302 COMPONENTS NO CHEMICALS IN THIS MATERIAL ARE SUBJECT TO

THE REPORTING REQUIREMENTS OF SARA TITLE III,

SECTION 302.

SARA 313 COMPONENTS THE FOLLOWING COMPONENTS ARE SUBJECT TO

REPORTING LEVELS ESTABLISHED BY SARA TITLE III,

SECTION 313:

CAS-NO. **REVISION DATE**

4,4'-Methylene-bis(2-

chloroaniline)

101-14-4 4/24/1993

SARA 311/312 HAZARDS ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD

MASSACHUSETTS RIGHT TO KNOW COMPONENTS

REVISION DATE CAS-NO.

4,4'-Methylene-bis(2-

chloroaniline)

101-14-4 4/24/1993

PENNSYLVANIA RIGHT TO KNOW COMPONENTS

CAS-NO. **REVISION DATE**

4,4'-Methylene-bis(2-101-14-4 4/24/1993

chloroaniline)

NEW JERSEY RIGHT TO KNOW COMPONENTS

REVISION DATE CAS-NO.

4,4'-Methylene-bis(2-101-14-4 4/24/1993

chloroaniline)

CALIFORNIA PROP. 65 COMPONENTS WARNING! THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE

11/9/1992

CANCER.

101-14-4

CAS-NO. REVISION DATE

4,4'-Methylene-bis(2-

chloroaniline)

SECTION 16. OTHER INFORMATION

FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.

ACUTE TOX. ACUTE TOXICITY

AQUATIC ACUTE ACUTE AQUATIC TOXICITY
AQUATIC CHRONIC CHRONIC AQUATIC TOXICITY

CARC. CARCINOGENICITY

H302 HARMFUL IF SWALLOWED.

H341 SUSPECTED OF CAUSING GENETIC DEFECTS.

H350 MAY CAUSE CANCER.

H400 VERY TOXIC TO AQUATIC LIFE.

H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING

EFFECTS.

HMIS RATING

HEALTH HAZARD: 1 CHRONIC HEALTH *

HAZARD:

FLAMMABILITY: 1 PHYSICAL HAZARD 0

NFPA RATING

HEALTH HAZARD: 1 FIRE HAZARD: 1 REACTIVITY HAZARD: 0

MSDS LEGEND

MW: MOLECULAR WEIGHT MF: MOLECULAR FORMULA

VOC: VOLATILE ORGANIC COMPOUNDS

ACGIH: AMERICAN CONFERENCE OF GOVERNMENENTAL INDUSTRIAL

HYGINISTS

CAS: CHEMICAL ABSTRACTS SERIVE REGISTRY NUMBER
OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

PEL: PERMISSIBLE EXPOSURE LIMIT (OSHA) TLV: THRESHOLD LIMIT VALUE (ACGIH)

IMPORTANT:

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