Chem-Impex International Inc.

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Manufacturing site:
825 Dillon Drive
Wood Dale, IL 60191 USA

SAFETY DATA SHEET

SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #: 31540

NAME: Ethyl diazoacetate solution, 15% in toluene

SYNONYMS: 2-Diazoacetic acid ethyl ester solution

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)

FLAMMABLE LIQUIDS (CATEGORY 2), H225 SKIN IRRITATION (CATEGORY 2), H315 CARCINOGENICITY (CATEGORY 2), H351 REPRODUCTIVE TOXICITY (CATEGORY 2), H361 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (CATEGORY 3), CENTRAL NERVOUS SYSTEM, H336

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE (CATEGORY 2), H373 ASPIRATION HAZARD (CATEGORY 1), H304

ACUTE AQUATIC TOXICITY (CATEGORY 2), H401

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

GHS LABEL ELEMENTS. INCLUDING PRECAUTIONARY STATEMENTS

PICTOGRAM

(3)

SIGNAL WORD DANGER

HAZARD STATEMENT(S)

H225 HIGHLY FLAMMABLE LIQUID AND VAPOUR.

H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

H315 CAUSES SKIN IRRITATION.

H336 MAY CAUSE DROWSINESS OR DIZZINESS.

H351 SUSPECTED OF CAUSING CANCER.

H361 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN

CHILD.

H373 MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED

OR REPEATED EXPOSURE.

H401 TOXIC TO AQUATIC LIFE.

PRECAUTIONARY STATEMENT(S)

P201 OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.

P202 DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE

BEEN READ AND UNDERSTOOD.

P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT

SURFACES. NO SMOKING.

P233 KEEP CONTAINER TIGHTLY CLOSED.

P240 GROUND/BOND CONTAINER AND RECEIVING EOUIPMENT.

P241 USE EXPLOSION-PROOF ELECTRICAL/ VENTILATING/

LIGHTING/ EQUIPMENT.

P242 USE ONLY NON-SPARKING TOOLS.

P243 TAKE PRECAUTIONARY MEASURES AGAINST STATIC

DISCHARGE.

P260 DO NOT BREATHE DUST/ FUME/ GAS/ MIST/ VAPOURS/

SPRAY.

P264 WASH SKIN THOROUGHLY AFTER HANDLING.

P271 USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.

P273 AVOID RELEASE TO THE ENVIRONMENT.

P280 WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE

PROTECTION/ FACE PROTECTION.

P301 + P310 IF SWALLOWED: IMMEDIATELY CALL A POISON

CENTER/DOCTOR.

P303 + P361 + P353 IF ON SKIN (OR HAIR): TAKE OFF IMMEDIATELY ALL

CONTAMINATED CLOTHING. RINSE SKIN WITH

WATER/SHOWER.

P304 + P340 + P312 IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP

COMFORTABLE FOR BREATHING, CALL A POISON

CENTER/DOCTOR IF YOU FEEL UNWELL.

P308 + P313	IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/
	ATTENTION.
P331	DO NOT INDUCE VOMITING.
P332 + P313	IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/
	ATTENTION.
P362	TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE
	REUSE.
P370 + P378	IN CASE OF FIRE: USE DRY SAND, DRY CHEMICAL OR
	ALCOHOL-RESISTANT FOAM TO EXTINGUISH.
P403 + P233	STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER
	TIGHTLY CLOSED.
P403 + P235	STORE IN A WELL-VENTILATED PLACE. KEEP COOL.
P405	STORE LOCKED UP.
P501	DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED
	WASTE DISPOSAL PLANT.

HAZARDS NOT

HEATING MAY CAUSE AN EXPLOSION.

OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MF: $C_4H_6N_2O_2$

MW: 114.10

CAS-NO. 623-73-4

PURITY:

HAZARDOUS COMPONENTS

COMPONENT	CLASSIFICATION	CONCENTRATION			
TOLUENE					
108-88-3	FLAM. LIQ. 2; SKIN IRRIT. 2;	>= 70 - < 90 %			
	REPR. 2; STOT SE 3; STOT RE 2;				
	ASP. TOX. 1; AQUATIC ACUTE				
	2; H225, H304, H315, H336,				
	H361, H373, H401				
ETHYL DIAZOACETATE					
623-73-4	FLAM. LIQ. 3; ACUTE TOX. 4;	>= 10 - < 20 %			
	H226, H302				
METHYLENE CHLORIDE					
75-09-2	SKIN IRRIT. 2; EYE IRRIT. 2A;	>= 1 - < 5 %			
	CARC. 2; STOT SE 3; STOT RE				
	2; H315, H319, H335, H336,				
	H351, H373, H373				

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

CONTACT

WASH OFF WITH SOAP AND PLENTY OF WATER.

CONSULT A PHYSICIAN.

IN CASE OF EYE

CONTACT

RINSE THOROUGHLY WITH PLENTY OF WATER FOR AT

LEAST 15 MINUTES AND CONSULT A PHYSICIAN.

IF SWALLOWED DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING

BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. CONSULT A PHYSICIAN.

MOST IMPORTANT

SYMPTOMS AND

EFFECTS, BOTH ACUTE

AND DELAYED

THE MOST IMPORTANT KNOWN SYMPTOMS AND EFFECTS ARE DESCRIBED IN THE LABELLING (SEE

SECTION 2.2) AND/OR IN SECTION 11

INDICATION OF ANY IMMEDIATE MEDICAL

ATTENTION AND SPECIAL TREATMENT

NEEDED

NO DATA AVAILABLE

SECTION 5. FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA

SUITABLE USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY

EXTINGUISHING MEDIA CHEMICAL OR CARBON DIOXIDE.

SPECIAL HAZARDS ARISING FROM THE

SUBSTANCE OR MIXTURE

NO DATA AVAILABLE

ADVICE FOR WEAR SELF-CONTAINED BREATHING APPARATUS FOR

FIREFIGHTERS FIREFIGHTING IF NECESSARY.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL
PRECAUTIONS,
PROTECTIVE
EQUIPMENT AND
EMERGENCY
PROCEDURES

USE PERSONAL PROTECTIVE EQUIPMENT. AVOID BREATHING VAPOURS, MIST OR GAS. ENSURE ADEQUATE VENTILATION. REMOVE ALL SOURCES OF IGNITION. EVACUATE PERSONNEL TO SAFE AREAS. BEWARE OF VAPOURS ACCUMULATING TO FORM EXPLOSIVE CONCENTRATIONS. VAPOURS CAN

FOR PERSONAL PROTECTION SEE SECTION 8.

ENVIRONMENTAL PRECAUTIONS

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 MATERIALS FOR CONTAINMENT AND CLEANING UP CONTAIN SPILLAGE, AND THEN COLLECT WITH AN ELECTRICALLY PROTECTED VACUUM CLEANER OR BY WET-BRUSHING AND PLACE IN CONTAINER FOR DISPOSAL ACCORDING TO LOCAL REGULATIONS (SEE

SECTION 13).

REFERENCE TO OTHER SECTIONS

FOR DISPOSAL SEE SECTION 13.

ACCUMULATE IN LOW AREAS.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

AVOID CONTACT WITH SKIN AND EYES. AVOID INHALATION OF VAPOUR OR MIST.

USE EXPLOSION-PROOF EQUIPMENT.KEEP AWAY FROM

SOURCES OF IGNITION - NO SMOKING.TAKE MEASURES TO PREVENT THE BUILD UP OF

ELECTROSTATIC CHARGE.

FOR PRECAUTIONS SEE SECTION 2.2.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE. CONTAINERS WHICH ARE OPENED MUST BE CAREFULLY RESEALED AND KEPT UPRIGHT TO PREVENT LEAKAGE.

HANDLE UNDER NITROGEN, PROTECT FROM MOISTURE. STORE UNDER NITROGEN. HEAT SENSITIVE. DO NOT PACK IN METAL CONTAINERS.

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 PARAMETERS	BASIS	
TOLUENE	108-88-3	TWA	100 PPM	USA. OSHA - TABLE Z-1	
TOLULINE	100-00-3	I WA	375 MG/M3	LIMITS FOR AIR	
			5/5 WIG/WIS	CONTAMINANTS - 1910.1000	
	+	STEL	150 PPM	USA. OSHA - TABLE Z-1	
		SIEL	560 MG/M3	LIMITS FOR AIR	
			300 WIG/WI3	CONTAMINANTS - 1910.1000	
		TWA	200 PPM	USA. OCCUPATIONAL	
		I WA	200 11 101	EXPOSURE LIMITS (OSHA) -	
				TABLE Z-2	
	REMARKS	Z37.12-1967			
	rezivii ireits	CEIL	300 PPM	USA. OCCUPATIONAL	
		CEIE	50011111	EXPOSURE LIMITS (OSHA) -	
				TABLE Z-2	
		Z37.12-196	7		
		PEAK	500 PPM	USA. OCCUPATIONAL	
				EXPOSURE LIMITS (OSHA) -	
				TABLE Z-2	
		Z37.12-1967			
		TWA	20 PPM	USA. ACGIH THRESHOLD	
				LIMIT VALUES (TLV)	
		VISUAL IMPAIRMENT			
		FEMALE R	EMALE REPRODUCTIVE		
		PREGNAN			
			S ADOPTION ISTANCES FOR WHICH THERE IS A BIOLOGICAL		
		EXPOSURE INDEX OR INDICES (SEE BEI SECTION)			
				MAN CARCINOGEN	
		TWA	100 PPM	USA. NIOSH	
			375 MG/M3	RECOMMENDED EXPOSURE	
				LIMITS	
		ST	150 PPM	USA. NIOSH	
			560 MG/M3	RECOMMENDED EXPOSURE	
			1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LIMITS	
		POTENTIAL OCCUPATIONAL CARCINOGEN SEE APPENDIX A			
) (EEEH H E) :=	75.00.0				
METHYLENE	75-09-2	TWA	50.000000 PPM	USA. ACGIH THRESHOLD	
CHLORIDE				LIMIT VALUES (TLV)	

 1			
CENTRAL NERVOUS SYSTEM IMPAIRMENT			
CARBOXYHEMOGLOBINEMIA			
		ERE IS A BIOLOGICAL	
EXPOSURE INDEX OR INDICES (SEE BEI SECTION)			
CONFIRMED ANIMAL CARCINOGEN WITH UNKNOWN			
RELEVANCE TO HUMANS			
TWA	50 PPM	USA. ACGIH THRESHOLD LIMIT VALUES (TLV)	
CENTRAL NERVOUS SYSTEM IMPAIRMENT			
CARBOXYHEMOGLOBINEMIA			
SUBSTANCES FOR WHICH THERE IS A BIOLOGICAL			
EXPOSURE	INDEX OR INDICE	ES (SEE BEI SECTION)	
CONFIRME	D ANIMAL CARCII	NOGEN WITH UNKNOWN	
RELEVANCI	E TO HUMANS		
		ORE INFORMATION SEE OSHA	
DOCUMENT			
		RE INFORMATION SEE OSHA	
DOCUMENT	,	THE INTOINING BEE COLLA	
SEE TABLE			
PEL PEL	25.000000 PPM	OSHA SPECIFICALLY	
FEL	23.000000 FFWI	REGULATED	
		CHEMICALS/CARCINOGENS	
1010 1072		CHEMICALS/CARCINUGENS	
1910.1052		I OCCUPATION I	
		LL OCCUPATIONAL	
		CHLORIDE (MC), CHEMICAL	
		TRY NUMBER 75-09- 2, IN	
	-	RUCTION AND SHIPYARD	
		CHLORIDE (MC) MEANS AN	
		CHEMICAL FORMULA,	
		TRACTS SERVICE REGISTRY	
	75-09-2. 118 MOLI	ECULAR WEIGHT IS 84.9	
G/MOLE	IEIGATAN BEGIN	ATED GARGEST	
		ATED CARCINOGEN	
STEL	125.000000 PPM	OSHA SPECIFICALLY	
		REGULATED	
		CHEMICALS/CARCINOGENS	
1910.1052			
THIS SECTION APPLIES TO ALL OCCUPATIONAL			
EXPOSURES TO METHYLENE CHLORIDE (MC), CHEMICAL			
		TRY NUMBER 75-09- 2, IN	
		RUCTION AND SHIPYARD	
EMPLOYMENT. METHYLENE CHLORIDE (MC) MEANS AN			
ORGANIC COMPOUND WITH CHEMICAL FORMULA,			
		TRACTS SERVICE REGISTRY	
NUMBER IS 75-09-2. ITS MOLECULAR WEIGHT IS 84.9			
G/MOLE			
OSHA SPECIFICALLY REGULATED CARCINOGEN			
PEL	25 PPM	CALIFORNIA PERMISSIBLE	
	87 MG/M3	EXPOSURE LIMITS FOR	
		CHEMICAL CONTAMINANTS	
		(TITLE 8, ARTICLE 107)	
SEE SECTIO	N 5202	<u> </u>	
 SEE SECTIO	1,0202		

	STEL	125 PPM	CALIFORNIA PERMISSIBLE
		435 MG/M3	EXPOSURE LIMITS FOR
			CHEMICAL CONTAMINANTS
			(TITLE 8, ARTICLE 107)
	SEE SECTIO	N 5202	

BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS

				BIOLOGICAL	
COMPONENT	CAS-NO.	PARAMETERS	VALUE	SPECIMEN	BASIS
					ACGIH -
					BIOLOGICAL
					EXPOSURE
			0.0200		INDICES
TOLUENE	108-88-3	TOLUENE	MG/L	IN BLOOD	(BEI)
	REMARKS	PRIOR TO LAST SH	HIFT OF W	ORKWEEK	
					ACGIH -
					BIOLOGICAL
					EXPOSURE
			0.0300		INDICES
		TOLUENE	MG/L	URINE	(BEI)
		END OF SHIFT (AS	SOON AS	POSSIBLE AFTER	R EXPOSURE
		CEASES)			
					ACGIH -
					BIOLOGICAL
					EXPOSURE
			0.3000		INDICES
		O-CRESOL	MG/G	URINE	(BEI)
		END OF SHIFT (AS	SOON AS	POSSIBLE AFTER	R EXPOSURE
		CEASES)			
					ACGIH -
					BIOLOGICAL
					EXPOSURE
METHYLENE		DICHLOROMETH	0.3000		INDICES
CHLORIDE	75-09-2	ANE	MG/L	URINE	(BEI)
		END OF SHIFT (AS SOON AS POSSIBLE AFTER EXPOSURE			
		CEASES)			

EXPOSURE CONTROLS

APPROPRIATEHANDLE IN ACCORDANCE WITH GOOD INDUSTRIALENGINEERINGHYGIENE AND SAFETY PRACTICE. WASH HANDS BEFORECONTROLSBREAKS AND AT THE END OF WORKDAY.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE FACE SHIELD AND SAFETY GLASSES USE EQUIPMENT FOR **PROTECTION** 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.

BODY PROTECTION COMPLETE SUIT PROTECTING AGAINST CHEMICALS,

FLAME RETARDANT ANTISTATIC PROTECTIVE CLOTHING., THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF

THE DANGEROUS SUBSTANCE AT THE SPECIFIC

WORKPLACE.

RESPIRATORY WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING **PROTECTION** RESPIRATORS ARE APPROPRIATE USE A FULL-FACE

RESPIRATOR WITH MULTIPURPOSE COMBINATION (US) OR TYPE ABEK (EN 14387) 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 Yellow to brownish orange liquid

ODOUR NO DATA AVAILABLE
ODOUR THRESHOLD NO DATA AVAILABLE
PH NO DATA AVAILABLE

MELTING

POINT/FREEZING POINT

INITIAL BOILING POINT 141 °C

AND BOILING RANGE

FLASH POINT 6.7 °C

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 0.90

WATER SOLUBILITY NO DATA AVAILABLE PARTITION COEFFICIENT: NO DATA AVAILABLE

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

NO DATA AVAILABLE

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY NO DATA AVAILABLE

CHEMICAL STABILITY MAY EXPLODE WHEN HEATED.

STABLE UNDER RECOMMENDED STORAGE

CONDITIONS.

CONTAINS THE FOLLOWING STABILISER(S):

ETHYL DIAZOACETATE (<=15 %)

METHYLENE CHLORIDE (>=0 - <=2.2 %)

POSSIBILITY OF HAZARDOUS REACTIONS VAPOURS MAY FORM EXPLOSIVE MIXTURE WITH AIR.

CONDITIONS TO AVOID MAY EXPLODE WHEN HEATED.

HEAT, FLAMES AND SPARKS. EXTREMES OF TEMPERATURE AND DIRECT SUNLIGHT.

INCOMPATIBLE METALS, STRONG OXIDIZING AGENTS, ALKALI

MATERIALS METALS, ALUMINUM, BASES

HAZARDOUS OTHER DECOMPOSITION PRODUCTS - NO DATA

DECOMPOSITION

PRODUCTS FORMED UNDER FIRE CONDITIONS. - CARBON OXIDES,

NITROGEN OXIDES (NOX), HYDROGEN CHLORIDE GAS

AVAILABLE HAZARDOUS DECOMPOSITION PRODUCTS

IN THE EVENT OF FIRE: SEE SECTION 5

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY NO DATA AVAILABLE

INHALATION: NO DATA AVAILABLE

NO DATA AVAILABLE

SKIN NO DATA AVAILABLE

CORROSION/IRRITATION

SERIOUS EYE NO DATA AVAILABLE

DAMAGE/EYE IRRITATION

RESPIRATORY OR SKIN NO DATA AVAILABLE SENSITISATION

GERM CELL NO DATA AVAILABLE **MUTAGENICITY**

CARCINOGENICITY

IARC: NO COMPONENT OF THIS PRODUCT PRESENT AT

LEVELS GREATER THAN OR EQUAL TO 0.1% IS

IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED

HUMAN CARCINOGEN BY IARC.

NTP: NO COMPONENT OF THIS PRODUCT PRESENT AT

LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED

CARCINOGEN BY NTP.

OSHA: OSHA SPECIFICALLY REGULATED CARCINOGEN

(METHYLENE CHLORIDE)

REPRODUCTIVE TOXICITY NO DATA AVAILABLE

SPECIFIC TARGET ORGAN N

TOXICITY - SINGLE

EXPOSURE

NO DATA AVAILABLE

SPECIFIC TARGET ORGAN

TOXICITY - REPEATED

EXPOSURE

NO DATA AVAILABLE

ASPIRATION HAZARD NO DATA AVAILABLE

ADDITIONAL INFORMATION

RTECS: NOT AVAILABLE

LUNG IRRITATION, CHEST PAIN, PULMONARY EDEMA, INHALATION STUDIES ON TOLUENE HAVE

DEMONSTRATED THE DEVELOPMENT OF

INFLAMMATORY AND ULCEROUS LESIONS OF THE PENIS, PREPUCE, AND SCROTUM IN ANIMALS.

STOMACH - IRREGULARITIES - BASED ON HUMAN

EVIDENCE

STOMACH - IRREGULARITIES - BASED ON HUMAN

EVIDENCE (TOLUENE)

STOMACH - IRREGULARITIES - BASED ON HUMAN

EVIDENCE (METHYLENE CHLORIDE)

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY NO DATA AVAILABLE

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

OTHER ADVERSE EFFECTS AN ENVIRONMENTAL HAZARD CANNOT BE

EXCLUDED IN THE EVENT OF UNPROFESSIONAL

HANDLING OR DISPOSAL. TOXIC TO AQUATIC LIFE.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

PRODUCT BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH

AN AFTERBURNER AND SCRUBBER BUT EXERT EXTRA

CARE IN IGNITING AS THIS MATERIAL IS HIGHLY

FLAMMABLE. OFFER SURPLUS AND NON-RECYCLABLE

SOLUTIONS TO A LICENSED DISPOSAL COMPANY. CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL.

CONTAMINATED PACKAGING

DISPOSE OF AS UNUSED PRODUCT.

SECTION 14. TRANSPORT INFORMATION

DOT (US)

PROPER SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (Ethyl diazoacetate

solution, 15% in toluene)

UN NUMBER: 1993 CLASS: 3 PACKING GROUP: II

REPORTABLE QUANTITY 1176 LBS

(RQ):

POISON INHALATION NO

HAZARD:

IMDG

PROPER SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (Ethyl diazoacetate

solution, 15% in toluene)

UN NUMBER: 1993
CLASS: 3
PACKING GROUP: II
EMS-NO: F-E, S-E

MARINE POLLUTANT: YES

IATA

PROPER SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (Ethyl diazoacetate

solution, 15% in toluene)

UN NUMBER: 1993 CLASS: 3 PACKING GROUP: II

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

TOLUENE 108-88-3 07/01/2007

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

HEALTH HAZARD

MASSACHUSETTS RIGHT TO KNOW COMPONENTS

CAS-NO. REVISION DATE

TOLUENE 108-88-3 07/01/2007 METHYLENE CHLORIDE 75-09-2 07/01/2007

PENNSYLVANIA RIGHT TO KNOW COMPONENTS

CAS-NO. REVISION DATE

TOLUENE 108-88-3 07/01/2007

ETHYL DIAZOACETATE 623-73-4

METHYLENE CHLORIDE 75-09-2 07/01/2007

NEW JERSEY RIGHT TO KNOW COMPONENTS

CAS-NO. REVISION DATE

TOLUENE 108-88-3 07/01/2007

ETHYL DIAZOACETATE 623-73-4

METHYLENE CHLORIDE 75-09-2 07/01/2007

CALIFORNIA PROP. 65 COMPONENTS

WARNING! THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF

CALIFORNIA TO CAUSE CANCER.

CAS-NO. REVISION DATE

METHYLENE CHLORIDE 75-09-2 09/28/2007

WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

CAS-NO. REVISION DATE

TOLUENE 108-88-3 02/01/2009

SECTION 16. OTHER INFORMATION

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

ACUTE TOX ACUTE TOXICITY

AQUATIC ACUTE
ASP. TOX.
CARC.
CARC.
EYE IRRIT.
FLAM. LIQ.
ACUTE AQUATIC TOXICITY
ASPIRATION HAZARD
CARCINOGENICITY
EYE IRRITATION
FLAMMABLE LIQUIDS

H225 HIGHLY FLAMMABLE LIQUID AND VAPOUR.

H226 FLAMMABLE LIQUID AND VAPOUR.

H302 HARMFUL IF SWALLOWED.

H304 MAY BE FATAL IF SWALLOWED AND ENTERS

AIRWAYS.

H315 CAUSES SKIN IRRITATION.

H319 CAUSES SERIOUS EYE IRRITATION.
 H335 MAY CAUSE RESPIRATORY IRRITATION.
 H336 MAY CAUSE DROWSINESS OR DIZZINESS.

H351 SUSPECTED OF CAUSING CANCER.

H361 SUSPECTED OF DAMAGING FERTILITY OR THE

UNBORN CHILD.

H373 MAY CAUSE DAMAGE TO ORGANS THROUGH

PROLONGED OR REPEATED EXPOSURE.

H401 TOXIC TO AQUATIC LIFE. REPR. REPRODUCTIVE TOXICITY

SKIN IRRIT. SKIN IRRITATION

STOT RE SPECIFIC TARGET ORGAN TOXICITY - REPEATED

EXPOSURE

STOT SE SPECIFIC TARGET ORGAN TOXICITY - SINGLE

EXPOSURE

HMIS RATING

HEALTH HAZARD: 2 CHRONIC HEALTH *

HAZARD:

FLAMMABILITY: 3 PHYSICAL HAZARD 1

NFPA RATING

HEALTH HAZARD: 2 FIRE HAZARD: 3 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)

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