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SDS

Common Name: GE283**Manufacturer:** MOMENTIVE AMER IND**SDS Revision Date:** 4/10/2015**SDS Format:** GHS-US**Item Number(s):** 3LA53**Manufacturer Model Number(s):**

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MOMENTIVE (TM)

SAFETY DATA SHEET

FOR INDUSTRIAL USE ONLY

GE283

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION



PRODUCT NAME: GE283

CHEMICAL NAME: NOT AVAILABLE

MANUFACTURER/IMPORTER/DISTRIBUTOR INFORMATION:

MOMENTIVE AMER IND.

260 HUDSON RIVER ROAD

WATERFORD, NY 12188

CONTACT PERSON: COMMERCIAL.SERVICES@MOMENTIVE.COM

TELEPHONE:

GENERAL INFORMATION: +1-800-295-2392

EMERGENCY TELEPHONE NUMBER:

SUPPLIER:

CHEMTREC: 1-800-424-9300

SECTION 2. HAZARDS IDENTIFICATION



CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

SKIN SENSITIZATION - CATEGORY 1

TOXIC TO REPRODUCTION - CATEGORY 1B

TOXIC TO REPRODUCTION - CATEGORY 1B

GHS LABEL ELEMENTS:

HAZARD PICTOGRAMS:

HEALTH HAZARD

EXCLAMATION MARK

SIGNAL WORD: DANGER

HAZARD STATEMENTS:

H317: MAY CAUSE AN ALLERGIC SKIN REACTION.

H360F: MAY DAMAGE FERTILITY.

H360: MAY DAMAGE THE UNBORN CHILD.

PRECAUTIONARY STATEMENTS:

GENERAL: NOT APPLICABLE.

PREVENTION:

OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.

DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.

USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.

WEAR PROTECTIVE GLOVES.

AVOID BREATHING DUST.

CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE.

RESPONSE:

IF EXPOSED OR CONCERNED: GET MEDICAL ATTENTION.

IF ON SKIN:

WASH WITH PLENTY OF SOAP AND WATER.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ATTENTION.

STORAGE: STORE LOCKED UP.

DISPOSAL:

P501:

DISPOSE OF CONTENTS AND CONTAINER IN ACCORDANCE WITH ALL LOCAL, REGIONAL, NATIONAL AND INTERNATIONAL REGULATIONS.

OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION:

UNCURED PRODUCT IS IRRITATING TO EYES, SKIN, AND RESPIRATORY TRACT.

GENERATES METHANOL DURING CURE. GENERATES AMMONIA DURING CURE. NONE KNOWN.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS



SUBSTANCE/MIXTURE: MIXTURE

CHEMICAL NAME: NOT AVAILABLE

HAZARDOUS INGREDIENTS	% BY WEIGHT	CAS NUMBER
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE	5 - 10	64742-46-7
SILANAMINE, 1,1,1-TRIMETHYL-N-(TRIMETHYLSILYL)-	1 - 5	999-97-3
TIN, DIBUTYLBIS(2,4-PENTANEDIONATO-. KAPPA.O2,.KAPPA.O4)-, (OC-6-11)-	0.1 - 1	22673-19-4

THERE ARE NO ADDITIONAL INGREDIENTS PRESENT WHICH, WITHIN THE CURRENT KNOWLEDGE OF THE SUPPLIER AND IN THE CONCENTRATIONS APPLICABLE, ARE CLASSIFIED AS HAZARDOUS TO HEALTH OR THE ENVIRONMENT AND HENCE REQUIRE REPORTING IN THIS SECTION.

OCCUPATIONAL EXPOSURE LIMITS, IF AVAILABLE, ARE LISTED IN SECTION 8.

SECTION 4. FIRST AID MEASURES



DESCRIPTION OF NECESSARY FIRST AID MEASURES:

EYE CONTACT:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER, OCCASIONALLY LIFTING THE UPPER AND LOWER EYELIDS. CHECK FOR AND REMOVE ANY CONTACT LENSES. CONTINUE TO RINSE FOR AT LEAST 10 MINUTES. GET MEDICAL ATTENTION IF IRRITATION OCCURS.

INHALATION:

REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. IF NOT BREATHING, IF BREATHING IS IRREGULAR OR IF RESPIRATORY ARREST OCCURS, PROVIDE ARTIFICIAL RESPIRATION OR OXYGEN BY TRAINED PERSONNEL. IT MAY BE DANGEROUS TO THE PERSON PROVIDING AID TO GIVE MOUTH-TO-MOUTH RESUSCITATION. GET MEDICAL ATTENTION. IF UNCONSCIOUS, PLACE IN RECOVERY POSITION AND GET MEDICAL ATTENTION IMMEDIATELY. MAINTAIN AN OPEN AIRWAY. LOOSEN TIGHT CLOTHING SUCH AS A COLLAR, TIE, BELT OR WAISTBAND.

SKIN CONTACT:

WASH WITH PLENTY OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. WASH CONTAMINATED CLOTHING THOROUGHLY WITH WATER BEFORE REMOVING IT, OR WEAR GLOVES. CONTINUE TO RINSE FOR AT LEAST 10 MINUTES. GET MEDICAL ATTENTION. IN THE EVENT OF ANY COMPLAINTS OR SYMPTOMS, AVOID FURTHER EXPOSURE. WASH CLOTHING BEFORE REUSE. CLEAN SHOES THOROUGHLY BEFORE REUSE.

INGESTION:

WASH OUT MOUTH WITH WATER. REMOVE DENTURES IF ANY. REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. IF MATERIAL HAS BEEN SWALLOWED AND THE EXPOSED PERSON IS CONSCIOUS, GIVE SMALL QUANTITIES OF WATER TO DRINK. STOP IF THE EXPOSED PERSON FEELS SICK AS VOMITING MAY BE DANGEROUS. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. IF VOMITING OCCURS, THE HEAD SHOULD BE KEPT LOW SO THAT VOMIT DOES NOT ENTER THE LUNGS. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF UNCONSCIOUS, PLACE IN RECOVERY POSITION AND GET MEDICAL ATTENTION IMMEDIATELY. MAINTAIN AN OPEN AIRWAY. LOOSEN TIGHT CLOTHING SUCH AS A COLLAR, TIE, BELT OR WAISTBAND.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

NOTES TO PHYSICIAN:

IN CASE OF INHALATION OF DECOMPOSITION PRODUCTS IN A FIRE, SYMPTOMS MAY BE DELAYED. THE EXPOSED PERSON MAY NEED TO BE KEPT UNDER MEDICAL SURVEILLANCE FOR 48 HOURS.

SPECIFIC TREATMENTS: NO SPECIFIC TREATMENT.

PROTECTION OF FIRST AID PERSONNEL:

NO ACTION SHALL BE TAKEN INVOLVING ANY PERSONAL RISK OR WITHOUT SUITABLE TRAINING. IF IT IS SUSPECTED THAT FUMES ARE STILL PRESENT, THE RESCUER SHOULD WEAR AN APPROPRIATE MASK OR SELF-CONTAINED BREATHING APPARATUS. IT MAY BE DANGEROUS TO THE PERSON PROVIDING AID TO GIVE MOUTH-TO-MOUTH RESUSCITATION. WASH CONTAMINATED CLOTHING THOROUGHLY WITH WATER BEFORE REMOVING IT, OR WEAR GLOVES.

SEE TOXICOLOGICAL INFORMATION (SECTION 11)

SECTION 5. FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA:****SUITABLE EXTINGUISHING MEDIA:**

USE DRY CHEMICAL, CO₂, ALCOHOL-RESISTANT FOAM OR WATER SPRAY (FOG).

UNSUITABLE EXTINGUISHING MEDIA: WATER JET

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

NO SPECIFIC FIRE OR EXPLOSION HAZARD.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:**DECOMPOSITION PRODUCTS MAY INCLUDE THE FOLLOWING MATERIALS:**

CARBON DIOXIDE
CARBON MONOXIDE
NITROGEN OXIDES
METAL OXIDE/OXIDES

MEASUREMENTS AT TEMPERATURES ABOVE 150 DEG. C IN PRESENCE OF AIR (OXYGEN) HAVE SHOWN THAT SMALL AMOUNTS OF FORMALDEHYDE ARE FORMED DUE TO OXIDATIVE DEGRADATION.

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS:

PROMPTLY ISOLATE THE SCENE BY REMOVING ALL PERSONS FROM THE VICINITY OF THE INCIDENT IF THERE IS A FIRE. NO ACTION SHALL BE TAKEN INVOLVING ANY PERSONAL RISK OR WITHOUT SUITABLE TRAINING. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL. FIRE WATER CONTAMINATED WITH THIS MATERIAL MUST BE CONTAINED AND PREVENTED FROM BEING DISCHARGED TO ANY WATERWAY, SEWER OR DRAIN.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:

FIRE-FIGHTERS SHOULD WEAR APPROPRIATE PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS (SCBA) WITH A FULL FACE-PIECE OPERATED IN POSITIVE PRESSURE MODE.

SECTION 6. ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:****FOR NON-EMERGENCY PERSONNEL:**

NO ACTION SHALL BE TAKEN INVOLVING ANY PERSONAL RISK OR WITHOUT SUITABLE TRAINING. EVACUATE SURROUNDING AREAS. KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING. DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL. PROVIDE ADEQUATE VENTILATION. WEAR APPROPRIATE RESPIRATOR WHEN VENTILATION IS INADEQUATE. PUT ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

FOR EMERGENCY RESPONDERS:

IF SPECIALISED CLOTHING IS REQUIRED TO DEAL WITH THE SPILLAGE, TAKE NOTE OF ANY INFORMATION IN SECTION 8 ON SUITABLE AND UNSUITABLE MATERIALS. SEE ALSO THE INFORMATION IN "FOR NON-EMERGENCY PERSONNEL".

ENVIRONMENTAL PRECAUTIONS:

AVOID DISPERSAL OF SPILLED MATERIAL AND RUNOFF AND CONTACT WITH SOIL, WATERWAYS, DRAINS AND SEWERS. INFORM THE RELEVANT AUTHORITIES IF THE PRODUCT HAS CAUSED ENVIRONMENTAL POLLUTION (SEWERS, WATERWAYS, SOIL OR AIR).

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:**SMALL SPILL:**

MOVE CONTAINERS FROM SPILL AREA. VACUUM OR SWEEP UP MATERIAL AND PLACE IN A DESIGNATED, LABELED WASTE CONTAINER. DISPOSE OF VIA A LICENSED WASTE DISPOSAL CONTRACTOR.

NOTE:

SEE SECTION 1 OF SDS FOR EMERGENCY CONTACT INFORMATION AND SECTION 13 OF SDS FOR WASTE DISPOSAL.

LARGE SPILL:

MOVE CONTAINERS FROM SPILL AREA. APPROACH RELEASE FROM UPWIND. PREVENT ENTRY INTO SEWERS, WATER COURSES, BASEMENTS OR CONFINED AREAS. VACUUM OR SWEEP UP MATERIAL AND PLACE IN A DESIGNATED, LABELED WASTE CONTAINER. DISPOSE OF VIA A LICENSED WASTE DISPOSAL CONTRACTOR.

NOTE:

SEE SECTION 1 OF SDS FOR EMERGENCY CONTACT INFORMATION AND SECTION 13 OF SDS FOR WASTE DISPOSAL.

SECTION 7. HANDLING AND STORAGE**PRECAUTIONS FOR SAFE HANDLING:****PROTECTIVE MEASURES:**

PUT ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8 OF SDS). PERSONS WITH A HISTORY OF SKIN SENSITIZATION PROBLEMS SHOULD NOT BE EMPLOYED IN ANY PROCESS IN WHICH THIS PRODUCT IS USED. AVOID EXPOSURE - OBTAIN SPECIAL INSTRUCTIONS BEFORE USE. AVOID EXPOSURE DURING PREGNANCY. DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. DO NOT GET IN EYES OR ON SKIN OR CLOTHING. DO NOT INGEST. USE ONLY WITH ADEQUATE VENTILATION. KEEP IN THE ORIGINAL CONTAINER OR AN APPROVED ALTERNATIVE MADE FROM A COMPATIBLE MATERIAL, KEPT TIGHTLY CLOSED WHEN NOT IN USE. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE AND CAN BE HAZARDOUS.

ADVICE ON GENERAL OCCUPATIONAL HYGIENE:

EATING, DRINKING AND SMOKING SHOULD BE PROHIBITED IN AREAS WHERE THIS MATERIAL IS HANDLED, STORED AND PROCESSED. WORKERS SHOULD WASH HANDS AND FACE BEFORE EATING, DRINKING AND SMOKING. SEE ALSO SECTION 8 FOR ADDITIONAL INFORMATION ON HYGIENE MEASURES.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORE IN ACCORDANCE WITH LOCAL REGULATIONS. STORE IN ORIGINAL CONTAINER PROTECTED FROM DIRECT SUNLIGHT IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION 10 OF SDS) AND FOOD AND DRINK. STORE LOCKED UP. KEEP CONTAINER TIGHTLY CLOSED AND SEALED UNTIL READY FOR USE. CONTAINERS THAT HAVE BEEN OPENED MUST BE CAREFULLY RESEALED AND KEPT UPRIGHT TO PREVENT LEAKAGE. DO NOT STORE IN UNLABELED CONTAINERS. USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**CONTROL PARAMETERS:**

OCCUPATIONAL EXPOSURE LIMITS: NONE.

APPROPRIATE ENGINEERING CONTROLS:

IF USER OPERATIONS GENERATE DUST, FUMES, GAS, VAPOR OR MIST, USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO KEEP WORKER EXPOSURE TO AIRBORNE CONTAMINANTS BELOW ANY RECOMMENDED OR STATUTORY LIMITS.

ENVIRONMENTAL EXPOSURE CONTROLS:

EMISSIONS FROM VENTILATION OR WORK PROCESS EQUIPMENT SHOULD BE CHECKED TO ENSURE THEY COMPLY WITH THE REQUIREMENTS OF ENVIRONMENTAL PROTECTION LEGISLATION. IN SOME CASES, FUME SCRUBBERS, FILTERS OR ENGINEERING MODIFICATIONS TO THE PROCESS EQUIPMENT WILL BE NECESSARY TO REDUCE EMISSIONS TO ACCEPTABLE LEVELS.

INDIVIDUAL PROTECTION MEASURES:**HYGIENE MEASURES:**

WASH HANDS, FOREARMS AND FACE THOROUGHLY AFTER HANDLING CHEMICAL PRODUCTS, BEFORE EATING, SMOKING AND USING THE LAVATORY AND AT THE END OF THE WORKING PERIOD. APPROPRIATE TECHNIQUES SHOULD BE USED TO REMOVE POTENTIALLY CONTAMINATED CLOTHING. CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE. WASH CONTAMINATED CLOTHING BEFORE REUSING. ENSURE THAT EYEWASH STATIONS AND SAFETY SHOWERS ARE CLOSE TO THE WORKSTATION LOCATION.

EYE/FACE PROTECTION:

SAFETY EYEWEAR COMPLYING WITH AN APPROVED STANDARD SHOULD BE USED WHEN A RISK ASSESSMENT INDICATES THIS IS NECESSARY TO AVOID EXPOSURE TO LIQUID SPLASHES, MISTS, GASES OR DUSTS.

SKIN PROTECTION:**HAND PROTECTION:**

CHEMICAL-RESISTANT, IMPERVIOUS GLOVES COMPLYING WITH AN APPROVED STANDARD SHOULD BE WORN AT ALL TIMES WHEN HANDLING CHEMICAL PRODUCTS IF A RISK ASSESSMENT INDICATES THIS IS NECESSARY. CONSIDERING THE PARAMETERS SPECIFIED BY THE GLOVE MANUFACTURER, CHECK DURING USE THAT THE GLOVES ARE STILL RETAINING THEIR PROTECTIVE PROPERTIES. IT SHOULD BE NOTED THAT THE TIME TO BREAKTHROUGH FOR ANY GLOVE MATERIAL MAY BE DIFFERENT FOR DIFFERENT GLOVE MANUFACTURERS. IN THE CASE OF MIXTURES, CONSISTING OF SEVERAL SUBSTANCES, THE PROTECTION TIME OF THE GLOVES CANNOT BE ACCURATELY ESTIMATED.

BODY PROTECTION:

PERSONAL PROTECTIVE EQUIPMENT FOR THE BODY SHOULD BE SELECTED BASED ON THE TASK BEING PERFORMED AND THE RISKS INVOLVED AND SHOULD BE APPROVED BY A SPECIALIST BEFORE HANDLING THIS PRODUCT.

OTHER SKIN PROTECTION:

APPROPRIATE FOOTWEAR AND ANY ADDITIONAL SKIN PROTECTION MEASURES SHOULD BE SELECTED BASED ON THE TASK BEING PERFORMED AND THE RISKS INVOLVED AND SHOULD BE APPROVED BY A SPECIALIST BEFORE HANDLING THIS PRODUCT.

RESPIRATORY PROTECTION:

USE A PROPERLY FITTED, PARTICULATE FILTER RESPIRATOR COMPLYING WITH AN APPROVED STANDARD IF A RISK ASSESSMENT INDICATES THIS IS NECESSARY. RESPIRATOR SELECTION MUST BE BASED ON KNOWN OR ANTICIPATED EXPOSURE LEVELS, THE HAZARDS OF THE PRODUCT AND THE SAFE WORKING LIMITS OF THE SELECTED RESPIRATOR.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE:**

PHYSICAL STATE: PASTE

COLOR: BLACK.

ODOR: FAINT ODOR.

ODOR THRESHOLD: NOT AVAILABLE

PH: NOT AVAILABLE

MELTING POINT: NOT AVAILABLE

BOILING POINT: NOT AVAILABLE

FLASH POINT: 93.3 DEG. C (199.94 DEG. F) (ESTIMATED.)

BURNING TIME: NOT AVAILABLE

BURNING RATE: NOT AVAILABLE

EVAPORATION RATE: NOT AVAILABLE

FLAMMABILITY (SOLID, GAS): NOT AVAILABLE

LOWER AND UPPER EXPLOSIVE (FLAMMABLE) LIMITS:

LOWER: NOT AVAILABLE

UPPER: NOT AVAILABLE

VAPOR PRESSURE: NOT APPLICABLE.

VAPOR DENSITY: NOT AVAILABLE

RELATIVE DENSITY: 1.01

SOLUBILITY: SOLUBLE IN TOLUENE

SOLUBILITY IN WATER: INSOLUBLE

PARTITION COEFFICIENT N-OCTANOL/WATER: NOT AVAILABLE

AUTO-IGNITION TEMPERATURE: NOT AVAILABLE

DECOMPOSITION TEMPERATURE: NOT AVAILABLE

SADT: NOT AVAILABLE

VISCOSITY:

DYNAMIC: NOT AVAILABLE

KINEMATIC: >20.5 MM²/S @ 40 DEG. C (104.00 DEG. F)

VOLATILE ORGANIC CONTENT:

2.2% (W/W)

27 G/L

OTHER INFORMATION: NO ADDITIONAL INFORMATION.

SECTION 10. STABILITY AND REACTIVITY



REACTIVITY: STABLE UNDER NORMAL CONDITIONS.

CHEMICAL STABILITY: THE PRODUCT IS STABLE.

POSSIBILITY OF HAZARDOUS REACTIONS:

UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS REACTIONS WILL NOT OCCUR.

CONDITIONS TO AVOID: NO SPECIFIC DATA.

INCOMPATIBLE MATERIALS: NO SPECIFIC DATA.

HAZARDOUS DECOMPOSITION PRODUCTS:
 UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS DECOMPOSITION
 PRODUCTS SHOULD NOT BE PRODUCED.

SECTION 11. TOXICOLOGICAL INFORMATION



INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
SILANAMINE, 1,1,1-TRIMETHYL-	LD50 ORAL	RAT	850 MG/KG	
N-(TRIMETHYLSILYL)-	LC50 INHALATION	RAT	9 MG/L	4 H

CONCLUSION/SUMMARY: NOT DETERMINED

IRRITATION/CORROSION:

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION
SILANAMINE, 1,1,1-TRIMETHYL-N- (TRIMETHYLSILYL)-	SKIN: SEVERE IRRITANT	RABBIT			

CONCLUSION/SUMMARY:

SKIN: NOT DETERMINED

EYES: NOT DETERMINED

RESPIRATORY: NOT DETERMINED

SENSITIZATION:

CONCLUSION/SUMMARY:

SKIN: NOT DETERMINED

RESPIRATORY: NOT DETERMINED

MUTAGENICITY:

CONCLUSION/SUMMARY: NOT DETERMINED

CARCINOGENICITY:

CONCLUSION/SUMMARY: NOT DETERMINED

REPRODUCTIVE TOXICITY:

CONCLUSION/SUMMARY: NOT DETERMINED

TERATOGENICITY:

CONCLUSION/SUMMARY: NOT DETERMINED

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):

PRODUCT/INGREDIENT NAME	CATEGORY	ROUTE OF EXPOSURE	TARGET ORGANS
TIN, DIBUTYLBIS(2,4-PENTANEDIONATO-.KAPPA.O2,.KAPPA.O4)-, (OC-6-11)-	CATEGORY 1		THYMUS

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE):

PRODUCT/INGREDIENT NAME	CATEGORY	ROUTE OF EXPOSURE	TARGET ORGANS
TIN, DIBUTYLBIS(2,4-PENTANEDIONATO-	CATEGORY 1		THYMUS

.KAPPA.O2, .KAPPA.O4) -,
(OC-6-11)-

ASPIRATION HAZARD:

PRODUCT/INGREDIENT NAME	RESULT
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE	ASPIRATION HAZARD - CATEGORY 1

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE: NOT AVAILABLE

POTENTIAL ACUTE HEALTH EFFECTS:

EYE CONTACT: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

INHALATION:
EXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD.
SERIOUS EFFECTS MAY BE DELAYED FOLLOWING EXPOSURE.

SKIN CONTACT: MAY CAUSE AN ALLERGIC SKIN REACTION.

INGESTION: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

EYE CONTACT: NO SPECIFIC DATA.

INHALATION:

ADVERSE SYMPTOMS MAY INCLUDE THE FOLLOWING:
REDUCED FETAL WEIGHT
INCREASE IN FETAL DEATHS
SKELETAL MALFORMATIONS

SKIN CONTACT:

ADVERSE SYMPTOMS MAY INCLUDE THE FOLLOWING:
IRRITATION
REDNESS
REDUCED FETAL WEIGHT
INCREASE IN FETAL DEATHS
SKELETAL MALFORMATIONS

INGESTION:

ADVERSE SYMPTOMS MAY INCLUDE THE FOLLOWING:
REDUCED FETAL WEIGHT
INCREASE IN FETAL DEATHS
SKELETAL MALFORMATIONS

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE:

SHORT TERM EXPOSURE:
POTENTIAL IMMEDIATE EFFECTS: NOT AVAILABLE
POTENTIAL DELAYED EFFECTS: NOT AVAILABLE

LONG TERM EXPOSURE:
POTENTIAL IMMEDIATE EFFECTS: NOT AVAILABLE
POTENTIAL DELAYED EFFECTS: NOT AVAILABLE

POTENTIAL CHRONIC HEALTH EFFECTS:
CONCLUSION/SUMMARY: NOT DETERMINED

GENERAL:
ONCE SENSITIZED, A SEVERE ALLERGIC REACTION MAY OCCUR WHEN SUBSEQUENTLY

EXPOSED TO VERY LOW LEVELS.

CARCINOGENICITY: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

MUTAGENICITY: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

TERATOGENICITY: MAY DAMAGE THE UNBORN CHILD.

DEVELOPMENTAL EFFECTS: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

FERTILITY EFFECTS: MAY DAMAGE FERTILITY.

NUMERICAL MEASURES OF TOXICITY:

ACUTE TOXICITY ESTIMATES: NOT AVAILABLE

SECTION 12. ECOLOGICAL INFORMATION



ECOTOXICITY:

CONCLUSION/SUMMARY: NOT AVAILABLE

PERSISTENCE/DEGRADABILITY:

CONCLUSION/SUMMARY: NOT AVAILABLE

BIOACCUMULATIVE POTENTIAL:

PRODUCT/INGREDIENT NAME	SPECIES	EXPOSURE	LOGPOW	BCF	POTENTIAL
SILANAMINE, 1,1,1-TRIMETHYL-N-(TRIMETHYLSILYL)-			1.19		LOW

MOBILITY IN SOIL:

SOIL/WATER PARTITION COEFFICIENT (KOC): NOT AVAILABLE

OTHER ADVERSE EFFECTS: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

SECTION 13. DISPOSAL CONSIDERATIONS



DISPOSAL METHODS:

THE GENERATION OF WASTE SHOULD BE AVOIDED OR MINIMIZED WHEREVER POSSIBLE. DISPOSAL OF THIS PRODUCT, SOLUTIONS AND ANY BY-PRODUCTS SHOULD AT ALL TIMES COMPLY WITH THE REQUIREMENTS OF ENVIRONMENTAL PROTECTION AND WASTE DISPOSAL LEGISLATION AND ANY REGIONAL LOCAL AUTHORITY REQUIREMENTS. DISPOSE OF SURPLUS AND NON-RECYCLABLE PRODUCTS VIA A LICENSED WASTE DISPOSAL CONTRACTOR. WASTE SHOULD NOT BE DISPOSED OF UNTREATED TO THE SEWER UNLESS FULLY COMPLIANT WITH THE REQUIREMENTS OF ALL AUTHORITIES WITH JURISDICTION. WASTE PACKAGING SHOULD BE RECYCLED. INCINERATION OR LANDFILL SHOULD ONLY BE CONSIDERED WHEN RECYCLING IS NOT FEASIBLE. THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY. CARE SHOULD BE TAKEN WHEN HANDLING EMPTIED CONTAINERS THAT HAVE NOT BEEN CLEANED OR RINSED OUT. EMPTY CONTAINERS OR LINERS MAY RETAIN SOME PRODUCT RESIDUES. AVOID DISPERSAL OF SPILLED MATERIAL AND RUNOFF AND CONTACT WITH SOIL, WATERWAYS, DRAINS AND SEWERS.

SECTION 14. TRANSPORT INFORMATION



SPECIAL PRECAUTIONS FOR USER:

THIS PRODUCT IS NOT REGARDED AS DANGEROUS GOODS ACCORDING TO THE NATIONAL AND INTERNATIONAL REGULATIONS ON THE TRANSPORT OF DANGEROUS GOODS.

SECTION 15. REGULATORY INFORMATION

UNITED STATES:

U.S. FEDERAL REGULATIONS:

UNITED STATES - TSCA 12(B) - CHEMICAL EXPORT NOTIFICATION: NONE REQUIRED.
UNITED STATES - TSCA 5(A)2 - FINAL SIGNIFICANT NEW USE RULES: NOT LISTED
UNITED STATES - TSCA 5(A)2 - PROPOSED SIGNIFICANT NEW USE RULES: NOT LISTED
UNITED STATES - TSCA 5(E) - SUBSTANCES CONSENT ORDER: NOT LISTED

SARA 311/312:

CLASSIFICATION:

IMMEDIATE (ACUTE) HEALTH HAZARD
DELAYED (CHRONIC) HEALTH HAZARD

CALIFORNIA PROP. 65:

WARNING:

THIS PRODUCT CONTAINS LESS THAN 1% OF A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

CANADA:

WHMIS (CANADA):

CLASS D-2B: MATERIAL CAUSING OTHER TOXIC EFFECTS (TOXIC).

INTERNATIONAL REGULATIONS:

INTERNATIONAL LISTS:

AUSTRALIA INVENTORY (AICS): NOT DETERMINED.
CANADA INVENTORY: ALL COMPONENTS ARE LISTED OR EXEMPTED.
JAPAN INVENTORY: NOT DETERMINED.
CHINA INVENTORY (IECSC): NOT DETERMINED.
KOREA INVENTORY: NOT DETERMINED.
NEW ZEALAND INVENTORY (NZIOC): ALL COMPONENTS ARE LISTED OR EXEMPTED.
PHILIPPINES INVENTORY (PICCS): NOT DETERMINED.
UNITED STATES INVENTORY (TSCA 8B): ALL COMPONENTS ARE LISTED OR EXEMPTED.
TAIWAN INVENTORY (CSNN): NOT DETERMINED.

SECTION 16. OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM III (U.S.A.):

HEALTH 1
FLAMMABILITY 1
PHYSICAL HAZARDS 0

CAUTION:

HMIS(R*) RATINGS ARE BASED ON A 0-4 RATING SCALE, WITH 0 REPRESENTING MINIMAL HAZARDS OR RISKS, AND 4 REPRESENTING SIGNIFICANT HAZARDS OR RISKS ALTHOUGH HMIS(R*) RATINGS ARE NOT REQUIRED ON MSDSS UNDER 29 CFR 1910.1200, THE PREPARER MAY CHOOSE TO PROVIDE THEM. HMIS(R*) RATINGS ARE TO BE USED WITH A FULLY IMPLEMENTED HMIS(R*) PROGRAM. HMIS(R*) IS A REGISTERED MARK OF THE NATIONAL PAINT & COATINGS ASSOCIATION (NPCA). HMIS(R*) MATERIALS MAY BE PURCHASED EXCLUSIVELY FROM J. J. KELLER (800) 327-6868. THE CUSTOMER IS RESPONSIBLE FOR DETERMINING THE PPE CODE FOR THIS MATERIAL.

FULL TEXT OF ABBREVIATED H STATEMENTS: NOT APPLICABLE.

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KEY TO ABBREVIATIONS:

ATE: ACUTE TOXICITY ESTIMATE

BCF: BIOCONCENTRATION FACTOR

GHS:

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS

IATA: INTERNATIONAL AIR TRANSPORT ASSOCIATION

IBC: INTERMEDIATE BULK CONTAINER

IMDG: INTERNATIONAL MARITIME DANGEROUS GOODS

LOGPOW: LOGARITHM OF THE OCTANOL/WATER PARTITION COEFFICIENT

MARPOL 73/78:

INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS, 1973 AS MODIFIED BY THE PROTOCOL OF 1978. ("MARPOL" = MARINE POLLUTION)

RID:

THE REGULATIONS CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY RAIL

UN: UNITED NATIONS

REFERENCES: NOT AVAILABLE

NOTICE TO READER:

UNLESS OTHERWISE SPECIFIED IN SECTION 1, MOMENTIVE PRODUCTS ARE INTENDED FOR USE IN THE MANUFACTURE AND/OR FORMULATION OF PRODUCTS AND ARE NOT INTENDED FOR DIRECT CONSUMER USE. THESE PRODUCTS ARE NOT INTENDED FOR LONG-LASTING (>30 DAYS) IMPLANTATION, INJECTION OR DIRECT INGESTION INTO THE HUMAN BODY, NOR FOR USE IN THE MANUFACTURE OF MULTIPLE USE CONTRACEPTIVES. KEEP OUT OF THE REACH OF CHILDREN.

FURTHER INFORMATION:

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