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SDS

**Common Name:** GE412A 12C-CRTRG (0.730 LBS-0.331 KG)**Manufacturer:** MOMENTIVE AMER SEAL**SDS Revision Date:** 5/21/2015**SDS Format:** GHS-US**Item Number(s):** 22N765**Manufacturer Model Number(s):**

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MOMENTIVE (TM)

INVENTING POSSIBILITIES

SAFETY DATA SHEET

FOR INDUSTRIAL USE ONLY

GE412A 12C-CRTRG (0.730 LBS-0.331 KG)

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION



PRODUCT NAME: GE412A 12C-CRTRG (0.730 LBS-0.331 KG)

CHEMICAL NAME: NOT AVAILABLE

MANUFACTURER/IMPORTER/DISTRIBUTOR INFORMATION:

MOMENTIVE AMER SEAL.

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 CORROSION/IRRITATION: CATEGORY 2

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS: EXCLAMATION MARK

SIGNAL WORD: WARNING

HAZARD STATEMENTS:

H315: CAUSES SKIN IRRITATION.

PRECAUTIONARY STATEMENTS

GENERAL: NOT APPLICABLE.

PREVENTION:

WEAR PROTECTIVE GLOVES.

WASH HANDS THOROUGHLY AFTER HANDLING.

RESPONSE:

IF ON SKIN:

WASH WITH PLENTY OF SOAP AND WATER.

TAKE OFF CONTAMINATED CLOTHING.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

IF SKIN IRRITATION OCCURS: GET MEDICAL ATTENTION.

STORAGE: NOT APPLICABLE.

DISPOSAL: NOT APPLICABLE.

OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION:

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

GENERATES ACETIC ACID DURING CURE. UNCURED PRODUCT IS IRRITATING TO

EYES, SKIN, AND RESPIRATORY SYSTEM. GENERATES ACETIC ACID DURING

CURE.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS



SUBSTANCE/MIXTURE: MIXTURE

CHEMICAL NAME: NOT AVAILABLE

HAZARDOUS INGREDIENTS	% BY WEIGHT	CAS NUMBER
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	10 - 30	64742-47-8
SILANETRIOL, 1-METHYL-, 1,1,1-TRIACETATE	1 - 5	4253-34-3

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.

#### 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 ADVERSE HEALTH EFFECTS PERSIST OR ARE SEVERE. 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:

FLUSH CONTAMINATED SKIN WITH PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. CONTINUE TO RINSE FOR AT LEAST 10 MINUTES. GET MEDICAL ATTENTION. 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 IF ADVERSE HEALTH EFFECTS PERSIST OR ARE SEVERE. 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:

TREAT SYMPTOMATICALLY. CONTACT POISON TREATMENT SPECIALIST IMMEDIATELY IF LARGE QUANTITIES HAVE BEEN INGESTED OR INHALED.

SPECIFIC TREATMENTS: NO SPECIFIC TREATMENT.

#### PROTECTION OF FIRST AID PERSONNEL:

NO ACTION SHALL BE TAKEN INVOLVING ANY PERSONAL RISK OR WITHOUT SUITABLE TRAINING. IT MAY BE DANGEROUS TO THE PERSON PROVIDING AID TO GIVE MOUTH-TO-MOUTH RESUSCITATION.

SEE TOXICOLOGICAL INFORMATION (SECTION 11)

## SECTION 5. FIRE-FIGHTING MEASURES



### EXTINGUISHING MEDIA:

## SUITABLE EXTINGUISHING MEDIA:

USE DRY CHEMICAL, CO<sub>2</sub>, 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:

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 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). DO NOT INGEST. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. 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. 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:

INGREDIENT NAME	EXPOSURE LIMITS
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	ACGIH TLV (2003-01-01) CALCULATED AS TOTAL HYDROCARBON VAPOR
	TIME WEIGHTED AVERAGE (TWA): 200 MG/M3

## APPROPRIATE ENGINEERING CONTROLS:

NO SPECIAL VENTILATION REQUIREMENTS. GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL WORKER EXPOSURE TO AIRBORNE CONTAMINANTS. IF THIS PRODUCT CONTAINS INGREDIENTS WITH EXPOSURE LIMITS, USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO KEEP WORKER EXPOSURE 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. 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. IF CONTACT IS POSSIBLE, THE FOLLOWING PROTECTION SHOULD BE WORN, UNLESS THE ASSESSMENT INDICATES A HIGHER DEGREE OF PROTECTION: CHEMICAL SPLASH GOGGLES.

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: BRONZE

ODOR: ACETIC ACID.

ODOR THRESHOLD: NOT AVAILABLE

PH: NOT APPLICABLE.

MELTING POINT: NOT APPLICABLE.

BOILING POINT: NOT APPLICABLE.

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: 1.04

DENSITY: 1.04 G/CM3

SOLUBILITY: 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:

2.8% (W/W)

36 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:

CONCLUSION/SUMMARY: NOT DETERMINED

IRRITATION/CORROSION:

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION
GE412A	SKIN - MODERATE IRRITANT OECD- GUIDELINE 404 (ACUTE DERMAL IRRITATION/ CORROSION)	RABBIT			

## REMARKS:

CLASSIFICATION ACCORDING TO TEST STUDY DATA OF A SIMILAR PRODUCT.

EYES - MILD IRRITANT OECD- GUIDELINE 405 (ACUTE EYE IRRITATION/ CORROSION)	RABBIT
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## REMARKS:

CLASSIFICATION ACCORDING TO TEST STUDY DATA OF A SIMILAR PRODUCT.

## CONCLUSION/SUMMARY:

SKIN: MODERATE IRRITANT

EYES: MILD IRRITANT

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
SILANETRIOL, 1-METHYL-, 1,1,1-TRIACETATE	CATEGORY 3		RESPIRATORY TRACT IRRITATION

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE):  
NOT AVAILABLE

## ASPIRATION HAZARD:

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



HYDROTREATED LIGHT

ASPIRATION HAZARD - CATEGORY 1

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE: NOT AVAILABLE

POTENTIAL ACUTE HEALTH EFFECTS:

EYE CONTACT: CAUSES SERIOUS EYE IRRITATION.

INHALATION: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

SKIN CONTACT: CAUSES SKIN IRRITATION.

INGESTION: IRRITATING TO MOUTH, THROAT AND STOMACH.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

EYE CONTACT:

ADVERSE SYMPTOMS MAY INCLUDE THE FOLLOWING:

PAIN OR IRRITATION

WATERING

REDNESS

INHALATION: NO SPECIFIC DATA.

SKIN CONTACT:

ADVERSE SYMPTOMS MAY INCLUDE THE FOLLOWING:

IRRITATION

REDNESS

INGESTION: NO SPECIFIC DATA.

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: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

CARCINOGENICITY: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

MUTAGENICITY: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

TERATOGENICITY: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

DEVELOPMENTAL EFFECTS: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

FERTILITY EFFECTS: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

NUMERICAL MEASURES OF TOXICITY:

ACUTE TOXICITY ESTIMATES:

ROUTE

ATE VALUE

ORAL

12,865.4 MG/KG

**SECTION 12. ECOLOGICAL INFORMATION**

ECOTOXICITY:  
CONCLUSION/SUMMARY: NOT AVAILABLE

PERSISTENCE/DEGRADABILITY:  
CONCLUSION/SUMMARY: NOT AVAILABLE

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

CALIFORNIA PROP. 65: NONE REQUIRED.

CANADA:

WHMIS (CANADA):  
CLASS D-2A: MATERIAL CAUSING OTHER TOXIC EFFECTS (VERY TOXIC).  
CLASS D-2B: MATERIAL CAUSING OTHER TOXIC EFFECTS (TOXIC).

INTERNATIONAL REGULATIONS:

INTERNATIONAL LISTS:

AUSTRALIA INVENTORY (AICS): ALL COMPONENTS ARE LISTED OR EXEMPTED.

CANADA INVENTORY:

AT LEAST ONE COMPONENT IS NOT LISTED IN DSL BUT ALL SUCH COMPONENTS ARE LISTED IN NDSL.

JAPAN INVENTORY: NOT DETERMINED.

CHINA INVENTORY (IECSC): ALL COMPONENTS ARE LISTED OR EXEMPTED.

KOREA INVENTORY: ALL COMPONENTS ARE LISTED OR EXEMPTED.

NEW ZEALAND INVENTORY (NZIOC): NOT DETERMINED.

PHILIPPINES INVENTORY (PICCS): ALL COMPONENTS ARE LISTED OR EXEMPTED.

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.

HISTORY:

DATE OF PRINTING: 03/10/2016

DATE OF ISSUE/DATE OF REVISION: 05/21/2015

DATE OF PREVIOUS ISSUE: 04/10/2015

VERSION: 1.2

PREPARED BY: PRODUCT SAFETY STEWARDSHIP

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 INDUSTRIAL APPLICATION ONLY. THEY ARE NOT INTENDED FOR SPECIFIC MEDICAL  
APPLICATIONS, NEITHER FOR LONG-LASTING (>30 DAYS) IMPLANTATION INTO THE  
HUMAN BODY, INJECTED OR DIRECTLY INGESTED, NOR FOR THE MANUFACTURE OF  
MULTIPLE USABLE CONTRACEPTIVES KEEP OUT OF THE REACH OF CHILDREN.

FURTHER INFORMATION:

THE INFORMATION PROVIDED IN THIS SAFETY DATA SHEET IS CORRECT TO THE BEST  
OF OUR KNOWLEDGE, INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION.  
THE INFORMATION GIVEN IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING,  
USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT  
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