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**Common Name:** GRAINGER - SY-QS, QUICK SETTING EPOXY - RESIN, GRAINGER - SY-QUICK SETTING E

**Manufacturer:** PACER TECHNOLOGY

**MSDS Revision Date:** 11/13/2014

**MSDS Format:** GHS-US

**Grainger Item Number(s):** 1FBG6

**Manufacturer Model Number(s):**

### MSDS Table of Contents

Click the desired link below to jump directly to that section in the MSDS.

- [1. PRODUCT AND COMPANY IDENTIFICATION](#)
  - [2. HAZARDS IDENTIFICATION](#)
  - [3. COMPOSITION / INFORMATION ON INGREDIENTS](#)
  - [4. FIRST AID MEASURES](#)
  - [5. FIRE FIGHTING MEASURES](#)
  - [6. ACCIDENTAL RELEASE MEASURES](#)
  - [7. HANDLING AND STORAGE](#)
  - [8. EXPOSURE CONTROLS / PERSONAL PROTECTION](#)
  - [9. PHYSICAL AND CHEMICAL PROPERTIES](#)
  - [10. STABILITY AND REACTIVITY](#)
  - [11. TOXICOLOGICAL INFORMATION](#)
  - [12. ECOLOGICAL INFORMATION](#)
  - [13. DISPOSAL CONSIDERATIONS](#)
  - [14. TRANSPORT INFORMATION](#)
  - [15. REGULATORY INFORMATION](#)
  - [16. OTHER INFORMATION](#)
- [1. PRODUCT AND COMPANY IDENTIFICATION](#)
  - [2. HAZARDS IDENTIFICATION](#)
  - [3. COMPOSITION / INFORMATION ON INGREDIENTS](#)
  - [4. FIRST AID MEASURES](#)
  - [5. FIRE FIGHTING MEASURES](#)
  - [6. ACCIDENTAL RELEASE MEASURES](#)
  - [7. HANDLING AND STORAGE](#)
  - [8. EXPOSURE CONTROLS / PERSONAL PROTECTION](#)
  - [9. PHYSICAL AND CHEMICAL PROPERTIES](#)
  - [10. STABILITY AND REACTIVITY](#)
  - [11. TOXICOLOGICAL INFORMATION](#)
  - [12. ECOLOGICAL INFORMATION](#)
  - [13. DISPOSAL CONSIDERATIONS](#)
  - [14. TRANSPORT INFORMATION](#)
  - [15. REGULATORY INFORMATION](#)
  - [16. OTHER INFORMATION](#)

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PACER (R\*) TECHNOLOGY  
INDUSTRIAL - PRIVATE LABEL

SAFETY DATA SHEET

DATE PREPARED: 11/25/2013

MSDS NO: 1FBG6 - RESIN - GHS

DATE-REVISED: 11/13/2014

REVISION NO: 4

## **1. PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT DESCRIPTION: GRAINGER - SY-QS, QUICK SETTING EPOXY - RESIN

MANUFACTURER:  
PACER TECHNOLOGY  
3281 E. GUASTI RD  
SUITE 260  
ONTARIO, CA 91761

EMERGENCY CONTACT:  
CHEMTREC:

EMERGENCY PHONE: 800-424-9300

ALTERNATE EMERGENCY PHONE: 703-527-3887

PRODUCT STEWARDSHIP: 909-987-0550

## **2. HAZARDS IDENTIFICATION**

GHS CLASSIFICATIONS:

HEALTH:  
SKIN IRRITATION, CATEGORY 2  
EYE IRRITATION, CATEGORY 2  
SKIN SENSITIZATION, CATEGORY 1

GHS LABEL ELEMENTS: EXCLAMATION MARK

SIGNAL WORD: WARNING

HAZARD STATEMENTS:  
H315: CAUSES SKIN IRRITATION.  
H317: MAY CAUSE AN ALLERGIC SKIN REACTION.

H319: CAUSES SERIOUS EYE IRRITATION.

PRECAUTIONARY STATEMENT(S):

PREVENTION:

P273: AVOID RELEASE TO THE ENVIRONMENT.

P280:

WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.

5468C4VS: CONTAINS EPOXY CONSTITUENTS. MAY PRODUCE AN ALLERGIC REACTION.

P261: AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY.

P272:

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

P362: TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

P363: WASH CONTAMINATED CLOTHING BEFORE REUSE.

P391: COLLECT SPILLAGE.

P264: WASH SKIN AND HANDS THOROUGHLY AFTER HANDLING.

RESPONSE:

P305+P351+P338:

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

P313: GET MEDICAL ADVICE/ATTENTION.

P302+P352:

IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.

P333+P313:

IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.

STORAGE:

P403+P235: STORE IN A WELL-VENTILATED PLACE. KEEP COOL.

DISPOSAL:

7944L501:

DISPOSE OF IN A MANNER CONSISTENT WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

### **3. COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME WT.% CAS

EPOXY RESIN 100 25068-38-6

#### **4. FIRST AID MEASURES**

**EYES:**

IMMEDIATELY FLUSH WITH PLENTY OF WATER. AFTER INITIAL FLUSHING, REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HAVE EYES EXAMINED AND TESTED BY MEDICAL PERSONNEL.

**SKIN:**

IMMEDIATELY WASH SKIN WITH SOAP AND PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF SYMPTOMS REOCCUR. WASH CLOTHING BEFORE REUSE.

**INGESTION:**

IF SWALLOWED, DO NOT INDUCE VOMITING. KEEP INDIVIDUAL CALM. GET MEDICAL ATTENTION AND SHOW CONTAINER LABEL.

**INHALATION:**

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:**

**EYES:** CAUSES EYE IRRITATION.

**SKIN:**

IRRITATING TO SKIN. MAY CAUSE ALLERGIC SKIN REACTION WITH PROLONGED CONTACT.

**SKIN ABSORPTION:** NONE KNOWN.

**INGESTION:** MAY BE IRRITATING. SEEK MEDICAL ADVICE.

**INHALATION:**

PROLONGED OR EXCESSIVE INHALATION MAY CAUSE RESPIRATORY TRACT IRRITATION.

**ACUTE TOXICITY:** SLIGHTLY IRRITATING TO EYES AND RESPIRATORY TRACTS.

**CHRONIC EFFECTS:**

FREQUENT OR PROLONGED CONTACT MAY IRRITATE THE SKIN AND CAUSE A SKIN RASH (DERMATITIS).

#### **5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASS:** NOT FLAMMABLE

**EXTINGUISHING MEDIA:**

USE ALCOHOL FOAM, CARBON DIOXIDE, OR WATER SPRAY WHEN FIGHTING FIRES INVOLVING THIS MATERIAL.

HAZARDOUS COMBUSTION PRODUCTS:  
COMBUSTION PRODUCTS MAY INCLUDE AND ARE NOT LIMITED TO:  
CARBON MONOXIDE, CARBON DIOXIDE AND PHENOLICS.

EXPLOSION HAZARDS: NONE KNOWN.

FIRE FIGHTING PROCEDURES:  
USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL AND TO KNOCK DOWN  
VAPORS WHICH MAY RESULT FROM PRODUCT DECOMPOSITION.

FIRE FIGHTING EQUIPMENT:  
AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND,  
(MSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

FIRE EXPLOSION: NONE KNOWN.

SENSITIVE TO STATIC DISCHARGE: NONE KNOWN.

SENSITIVITY TO IMPACT: NONE KNOWN.

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE, CARBON MONOXIDE AND OTHER TOXIC OR IRRITATING COMPOUNDS  
MAY FORM WHEN HEATED TO DECOMPOSITION.

## **6. ACCIDENTAL RELEASE MEASURES**

SMALL SPILL: ABSORB LIQUID AND PLACE IN SEALED CONTAINER FOR DISPOSAL.

LARGE SPILL:  
CONTAIN SPILL WITH DIKE TO PREVENT ENTRY INTO SEWERS. ABSORB LIQUID AND  
PLACE IN SEALED CONTAINER FOR DISPOSAL.

ENVIRONMENTAL PRECAUTIONS:

WATER SPILL:  
THIS MATERIAL IS A WATER POLLUTANT AND SHOULD BE PREVENTED FROM  
CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES  
OF WATER.

LAND SPILL: NONE KNOWN.

AIR SPILL: NONE KNOWN.

## **7. HANDLING AND STORAGE**

GENERAL PROCEDURES:  
USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

HANDLING:  
AVOID BREATHING (DUST, VAPOR, MIST, GAS). AVOID CONTACT WITH SKIN, EYES AND  
CLOTHING. KEEP CONTAINER CLOSED WHEN NOT IN USE.

STORAGE:

STORE IN A COOL PLACE IN ORIGINAL CONTAINER AND PROTECT FROM SUNLIGHT.  
KEEP AWAY FROM SOURCES OF IGNITION.

STORAGE TEMPERATURE: AMBIENT ROOM TEMPERATURE (70F/21C).

LOADING TEMPERATURE: NOT ESTABLISHED

LOADING/UNLOADING VISCOSITY: NOT ESTABLISHED

STORAGE PRESSURE: NOT ESTABLISHED

ELECTROSTATIC ACCUMULATION HAZARD: NONE KNOWN.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

ENGINEERING CONTROLS: NOT ESTABLISHED

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE:

FOR NORMAL CONDITIONS, WEAR SAFETY GLASSES. WHERE THERE IS REASONABLE PROBABILITY OF LIQUID CONTACT, WEAR SPLASH-PROOF GOGGLES.

SKIN: WEAR RUBBER GLOVES TO AVOID PROLONGED SKIN CONTACT.

RESPIRATORY: USE ONLY IN A WELL VENTILATED AREA.

PROTECTIVE CLOTHING: WEAR RUBBER GLOVES & APRON.

WORK HYGIENIC PRACTICES:

AVOID CONTACT WITH SKIN AND EYES. WASH THOROUGHLY AFTER HANDLING.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: VISCOUS LIQUID.

ODOR: MILD ODOR.

ODOR THRESHOLD: NOT ESTABLISHED

APPEARANCE: LIGHT YELLOW COLORED VISCOUS LIQUID.

PH: NOT ESTABLISHED

PERCENT VOLATILE: NOT ESTABLISHED

FLASHPOINT AND METHOD:

264 DEG. C (507 DEG. F) TO 268 DEG. C (514 DEG. F) CC - CLOSED CUP

VAPOR PRESSURE: 0.03 MMHg AT 25 DEG. C (77 DEG. F)  
VAPOR DENSITY: NO DATA AVAILABLE ON THIS PRODUCT.  
BOILING POINT: >320 DEG. C (608 DEG. F)  
FREEZING POINT: NO DATA AVAILABLE ON THIS PRODUCT.  
MELTING POINT: NO DATA AVAILABLE ON THIS PRODUCT.  
POUR POINT: NO DATA AVAILABLE ON THIS PRODUCT.  
THERMAL DECOMPOSITION: NO DATA AVAILABLE ON THIS PRODUCT.  
SOLUBILITY IN WATER: 5.4 TO 8.4 MG/L AT 20 DEG. C (68 DEG. F)  
EVAPORATION RATE: NO DATA AVAILABLE ON THIS PRODUCT.  
SPECIFIC GRAVITY: 1.16 G/CC @ 25C / 77F  
VISCOSITY #1: 11000 TO 14000 MPA. S. AT 25 DEG. C (77 DEG. F) ASTM D445  
MOLECULAR WEIGHT: NO DATA AVAILABLE ON THIS PRODUCT.  
(VOC): NOT APPLICABLE.

## **10. STABILITY AND REACTIVITY**

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

STABILITY: STABLE.

POLYMERIZATION: WILL NOT OCCUR.

CONDITIONS TO AVOID: AVOID TEMPERATURES ABOVE (300) F (148) C.

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON MONOXIDE, ALDEHYDES, ACIDS AND OTHER ORGANIC SUBSTANCES MAY BE FORMED DURING COMBUSTION (>500F) TEMPERATURE DEGRADATION.

INCOMPATIBLE MATERIALS:  
STRONG ACIDS, OXIDIZING AGENTS, MINERAL AND ORGANIC BASES, AND ESPECIALLY ALIPHATIC AMINES.

COMMENTS:

REACTIVITY:

PRODUCT MAY REACT IF EXPOSED TO OXIDIZING MATERIALS, ACIDS OR BASES.

## **11. TOXICOLOGICAL INFORMATION**

ACUTE:

EYES: DIRECT CONTACT MAY CAUSE MILD IRRITATION.

DERMAL LD50: 23000 MG/KG (RABBIT)

ORAL LD50: >15000 ML/KG (RAT)

INHALATION LC50: NO DATA AVAILABLE ON THIS PRODUCT.

EYE EFFECTS: MILDLY TO MODERATELY IRRITATING.

SKIN EFFECTS:

IRRITATING TO SKIN. MAY CAUSE ALLERGIC SKIN REACTION WITH PROLONGED CONTACT.

CHRONIC: REPEATED EXPOSURE MAY CAUSE SKIN SENSITIZATION.

SUBCHRONIC: NONE KNOWN.

CARCINOGENICITY:

IARC: NOT LISTED.

NTP: NOT LISTED.

OSHA: NOT LISTED.

REPEATED DOSE EFFECTS: NONE KNOWN.

IRRITATION: PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION.

CORROSIVITY: NONE KNOWN.

SENSITIZATION: MAY CAUSE SENSITIZATION.

NEUROTOXICITY: NONE KNOWN.

GENETIC EFFECTS: NONE KNOWN.

REPRODUCTIVE EFFECTS: NONE KNOWN.

TARGET ORGANS: NONE KNOWN.

TERATOGENIC EFFECTS: NONE KNOWN.

MUTAGENICITY: NONE KNOWN.

SYNERGISTIC MATERIALS: NONE KNOWN.

## **12. ECOLOGICAL INFORMATION**

ENVIRONMENTAL DATA: DO NOT FLUSH TO SEWER.

ECOTOXICOLOGICAL INFORMATION:



RAINBOW TROUT LC50, SEMI-STATIC TEST, 96 H: 2 MG/L  
WATER FLEA EC50, STATIC TEST, 48 H, IMMOBILIZATION: 1.8 MG/L  
BACTERIA IC50, 18 H: >42.6 MG/L.

BIOACCUMULATION/ACCUMULATION:  
BIOCONCENTRATION POTENTIAL IS MODERATE (BCF 100 TO 3000 OR LOG POW 3 TO 5).

NOTES:  
MATERIAL IS TOXIC TO AQUATIC ORGANISMS (LC50 BETWEEN 1 AND 10 MG/L IN THE MOST SENSITIVE SPECIES).

### **13. DISPOSAL CONSIDERATIONS**

DISPOSAL METHOD:  
CURE BY MIXING WITH EQUAL PORTION OF PAIRED COMPONENT FOR NON-HAZARDOUS SOLID WASTE DISPOSAL.

PRODUCT DISPOSAL:  
AVOID RUNOFF INTO STORM SEWERS AND DITCHES WHICH LEAD TO WATERWAYS.

### **14. TRANSPORT INFORMATION**

DOT (DEPARTMENT OF TRANSPORTATION):  
PROPER SHIPPING NAME: NOT RESTRICTED BY DOT

ROAD AND RAIL (ADR/RID):  
PROPER SHIPPING NAME: NOT RESTRICTED

AIR (ICAO/IATA):  
SHIPPING NAME: NOT RESTRICTED

VESSEL (IMO/IMDG):  
SHIPPING NAME: NOT RESTRICTED

CANADA TRANSPORT OF DANGEROUS GOODS:  
SHIPPING NAME: NOT RESTRICTED

### **15. REGULATORY INFORMATION**

UNITED STATES:

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):  
FIRE: NO  
PRESSURE GENERATING: NO  
REACTIVITY: NO  
ACUTE: YES  
CHRONIC: NO

TITLE III NOTES:

TO THE BEST OF OUR KNOWLEDGE, THIS PRODUCT DOES NOT CONTAIN CHEMICALS AT LEVELS WHICH REQUIRE REPORTING UNDER THIS STATUTE.

TSCA (TOXIC SUBSTANCE CONTROL ACT):

CHEMICAL NAME CAS

EPOXY RESIN 25068-38-6

TSCA STATUS: ALL INGREDIENTS IN THIS MIXTURE ARE IN COMPLIANCE WITH TSCA.

CALIFORNIA PROPOSITION 65:

NO CALIFORNIA PROPOSITION 65 INGREDIENTS ARE KNOWN TO BE IN THIS PRODUCT.

CANADA:

WHMIS HAZARD SYMBOL AND CLASSIFICATION: TOXIC

IRRITANT

WHMIS CLASS:

D2B - EYE OR SKIN IRRITANT.

D2B - SKIN SENSITIZER.

## **16. OTHER INFORMATION**

TITLE: REGULATORY AFFAIRS MANAGER

PREPARED BY: MARY ROBLES

DATE-REVISED: 11/13/2014

REVISION SUMMARY: THIS MSDS REPLACES THE 11/13/2014 MSDS.

HMIS RATING:

HEALTH 2

FLAMMABILITY 1

PHYSICAL HAZARD 0

PERSONAL PROTECTION

NFPA CODES:

2

1

0

MANUFACTURER DISCLAIMER:

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER, PACER TECHNOLOGY DOES NOT ASSUME ANY LIABILITY FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS WHICH EXIST.

PACER (R\*) TECHNOLOGY  
INDUSTRIAL - PRIVATE LABEL

SAFETY DATA SHEET

DATE PREPARED: 3/28/2014

MSDS NO: 1FBG6 - HARDENER - GHS

DATE-REVISED: 11/14/2014

REVISION NO: 4

## **1. PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT DESCRIPTION: GRAINGER - SY-QS, QUICK SETTING EPOXY - HARDENER

MANUFACTURER:  
PACER TECHNOLOGY  
3281 E. GUASTI RD, SUITE 260  
ONTARIO, CA 91761

EMERGENCY CONTACT:  
CHEMTREC:

EMERGENCY PHONE: 800-424-9300

ALTERNATE EMERGENCY PHONE: 703-527-3887

PRODUCT STEWARDSHIP: 909-987-0550

## **2. HAZARDS IDENTIFICATION**

GHS CLASSIFICATIONS:

HEALTH:  
ACUTE TOXICITY (ORAL), CATEGORY 4  
SKIN SENSITIZATION, CATEGORY 1  
SKIN IRRITATION, CATEGORY 2  
EYE IRRITATION, CATEGORY 2

GHS LABEL ELEMENTS: EXCLAMATION MARK

SIGNAL WORD: WARNING

HAZARD STATEMENTS:  
H302: HARMFUL IF SWALLOWED.  
H315: CAUSES SKIN IRRITATION.  
H317: MAY CAUSE AN ALLERGIC SKIN REACTION.  
H319: CAUSES SERIOUS EYE IRRITATION.

PRECAUTIONARY STATEMENT(S) :

PREVENTION:

5468C4VS: CONTAINS EPOXY CONSTITUENTS. MAY PRODUCE AN ALLERGIC REACTION.

P261: AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY.

P264: WASH SKIN AND HANDS THOROUGHLY AFTER HANDLING.

P270: DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.

P272:

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

P280:

WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.

P363: WASH CONTAMINATED CLOTHING BEFORE REUSE.

RESPONSE:

P305+P351+P338:

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

P308+P313:

IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION.

P302+P352:

IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.

P333+P313:

IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.

P304+P340:

IF INHALED:

REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING.

P301+P312:

IF SWALLOWED:

CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.

STORAGE:

P403+P233:

STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.

DISPOSAL:

7944L501:

DISPOSE OF IN A MANNER CONSISTENT WITH FEDERAL, STATE, AND LOCAL

REGULATIONS.

### **3. COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME WT.%

MERCAPTAN/AMINE POLYMER SYSTEM 100

### **4. FIRST AID MEASURES**

EYES: FLUSH EYE WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN:

IMMEDIATELY WASH SKIN WITH SOAP AND PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF SYMPTOMS REOCCUR. WASH CLOTHING BEFORE REUSE.

INGESTION:

IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE VICTIM A GLASS OF WATER OR MILK. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

EYES: CAUSES EYE IRRITATION.

SKIN: CONTACT CAUSES SKIN IRRITATION.

SKIN ABSORPTION: NONE KNOWN.

INGESTION:

INGESTION OF THIS MATERIAL CAN CAUSE MOUTH, THROAT, ESOPHAGEAL, AND GASTROINTESTINAL TRACT IRRITATION.

INHALATION:

PROLONGED OR EXCESSIVE INHALATION MAY CAUSE RESPIRATORY TRACT IRRITATION.

ACUTE TOXICITY: SLIGHTLY IRRITATING TO EYES AND RESPIRATORY TRACTS.

CHRONIC EFFECTS:

AVOID CONTACT WITH EYES; MAY CAUSE REDNESS, IRRITATION AND CONJUNCTIVITIS.

### **5. FIRE FIGHTING MEASURES**

FLAMMABLE CLASS: NOT FLAMMABLE

EXTINGUISHING MEDIA:

USE ALCOHOL FOAM, CARBON DIOXIDE, OR WATER SPRAY WHEN FIGHTING FIRES INVOLVING THIS MATERIAL.

HAZARDOUS COMBUSTION PRODUCTS:

COMBUSTION PRODUCTS MAY INCLUDE:

OXIDES OF CARBON, NITROGEN AND SULFUR; HYDROGEN SULFIDES.

EXPLOSION HAZARDS: NONE KNOWN.

FIRE FIGHTING PROCEDURES:

USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL AND TO KNOCK DOWN VAPORS WHICH MAY RESULT FROM PRODUCT DECOMPOSITION.

FIRE FIGHTING EQUIPMENT:

AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND, (MSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

FIRE EXPLOSION: NONE KNOWN.

SENSITIVE TO STATIC DISCHARGE: NONE KNOWN.

SENSITIVITY TO IMPACT: NONE KNOWN.

HAZARDOUS DECOMPOSITION PRODUCTS:

COMBUSTIBLE BY-PRODUCTS OF CARBON MONOXIDE/DIOXIDE, HYDROGEN SULFIDE AND OXIDES OF SULFUR.

## **6. ACCIDENTAL RELEASE MEASURES**

SMALL SPILL: ABSORB LIQUID AND PLACE IN SEALED CONTAINER FOR DISPOSAL.

LARGE SPILL:

ABSORB THE LIQUID AND SCRUB THE AREA WITH DETERGENT AND WATER. AVOID RUNOFF INTO STORM SEWERS AND DITCHES WHICH LEAD TO WATERWAYS.

ENVIRONMENTAL PRECAUTIONS:

WATER SPILL:

THIS MATERIAL IS A WATER POLLUTANT AND SHOULD BE PREVENTED FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER.

LAND SPILL: NONE KNOWN.

AIR SPILL: NONE KNOWN.

SPECIAL PROTECTIVE EQUIPMENT:

USE VINYL LATEX GLOVES, CHEMICAL SPLASH GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

## **7. HANDLING AND STORAGE**

### GENERAL PROCEDURES:

USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

### HANDLING:

AVOID BREATHING (DUST, VAPOR, MIST, GAS). AVOID CONTACT WITH SKIN, EYES AND CLOTHING. KEEP CONTAINER CLOSED WHEN NOT IN USE.

### STORAGE:

STORE IN A COOL PLACE IN ORIGINAL CONTAINER AND PROTECT FROM SUNLIGHT. KEEP AWAY FROM SOURCES OF IGNITION.

STORAGE TEMPERATURE: AMBIENT ROOM TEMPERATURE (70F/21C).

LOADING TEMPERATURE: NOT ESTABLISHED

LOADING/UNLOADING VISCOSITY: NOT ESTABLISHED

STORAGE PRESSURE: NOT ESTABLISHED

ELECTROSTATIC ACCUMULATION HAZARD: NONE KNOWN.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

ENGINEERING CONTROLS: USE ONLY IN A WELL VENTILATED AREA.

PERSONAL PROTECTIVE EQUIPMENT:

### EYES AND FACE:

FOR NORMAL CONDITIONS, WEAR SAFETY GLASSES. WHERE THERE IS REASONABLE PROBABILITY OF LIQUID CONTACT, WEAR SPLASH-PROOF GOGGLES.

SKIN: WEAR RUBBER GLOVES TO AVOID PROLONGED SKIN CONTACT.

RESPIRATORY: USE ONLY IN A WELL VENTILATED AREA.

### PROTECTIVE CLOTHING:

WEAR PROTECTIVE CLOTHING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

### WORK HYGIENIC PRACTICES:

AVOID CONTACT WITH SKIN AND EYES. WASH THOROUGHLY AFTER HANDLING.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: LIQUID

ODOR: SULFUR ODOR.

ODOR THRESHOLD: NO DATA AVAILABLE ON THIS PRODUCT.

APPEARANCE: PALE YELLOW VISCOUS LIQUID.

PH: NOT ESTABLISHED

PERCENT VOLATILE: NOT ESTABLISHED

FLASHPOINT AND METHOD: 110 DEG. C (230 DEG. F) DIN 51758

FLAMMABLE LIMITS: NOT ESTABLISHED

AUTOIGNITION TEMPERATURE: NOT ESTABLISHED

VAPOR PRESSURE: NOT ESTABLISHED

VAPOR DENSITY: 1.1 G/CC @ 25C / 77F

BOILING POINT: >200 DEG. C (392 DEG. F)

FREEZING POINT: NOT ESTABLISHED

MELTING POINT: NOT ESTABLISHED

POUR POINT: NOT ESTABLISHED

THERMAL DECOMPOSITION: NOT ESTABLISHED

SOLUBILITY IN WATER: SLIGHT

EVAPORATION RATE: NOT ESTABLISHED

SPECIFIC GRAVITY: 1.17 (WATER=1)

VISCOSITY #1: 10000 TO 16000 CPS AT 25 DEG. C (77 DEG. F)

MOLECULAR WEIGHT: NOT APPLICABLE

## **10. STABILITY AND REACTIVITY**

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

STABILITY: STABLE.

POLYMERIZATION: NONE KNOWN.

CONDITIONS TO AVOID: AVOID STORAGE NEAR LARGE MASSES OF EPOXY RESINS.

POSSIBILITY OF HAZARDOUS REACTIONS: NONE KNOWN.

HAZARDOUS DECOMPOSITION PRODUCTS:

COMBUSTIBLE BY-PRODUCTS OF CARBON MONOXIDE/DIOXIDE, HYDROGEN SULFIDE AND OXIDES OF SULFUR.



INCOMPATIBLE MATERIALS:  
AVOID STRONG OXIDIZING AGENTS AND AMINES ESPECIALLY WHEN HOT.

COMMENTS:  
REACTIVITY: PRODUCT MAY REACT IF EXPOSED TO OXIDIZING AGENTS.

## **11. TOXICOLOGICAL INFORMATION**

ACUTE:

EYES: NO DATA AVAILABLE ON THIS PRODUCT.  
DERMAL LD50: NO DATA AVAILABLE ON THIS PRODUCT.  
SKIN ABSORPTION: NO DATA AVAILABLE ON THIS PRODUCT.  
ORAL LD50: NO DATA AVAILABLE ON THIS PRODUCT.  
INHALATION LC50: NO DATA AVAILABLE ON THIS PRODUCT.

EYE EFFECTS: MILDLY TO MODERATELY IRRITATING.

SKIN EFFECTS:

IRRITATING TO SKIN. MAY CAUSE ALLERGIC SKIN REACTION WITH PROLONGED CONTACT.

CHRONIC: NONE KNOWN.

SUBCHRONIC: NONE KNOWN.

CARCINOGENICITY:

IARC: NOT LISTED.  
NTP: NOT LISTED.  
OSHA: NOT LISTED.

REPEATED DOSE EFFECTS: NONE KNOWN.

SENSITIZATION:

IRRITATING TO SKIN. MAY CAUSE ALLERGIC SKIN REACTION WITH PROLONGED CONTACT.

NEUROTOXICITY: NONE KNOWN.

GENETIC EFFECTS: NONE KNOWN.

REPRODUCTIVE EFFECTS: NONE KNOWN.

TARGET ORGANS: NONE KNOWN.

TERATOGENIC EFFECTS: NONE KNOWN.

MUTAGENICITY: NONE KNOWN.

## **12. ECOLOGICAL INFORMATION**

ENVIRONMENTAL DATA: NO DATA AVAILABLE ON THIS PRODUCT.

ECOTOXICOLOGICAL INFORMATION: NO DATA AVAILABLE ON THIS PRODUCT.

BIOACCUMULATION/ACCUMULATION: NO DATA AVAILABLE ON THIS PRODUCT.

NOTES: NO DATA AVAILABLE ON THIS PRODUCT.

### **13. DISPOSAL CONSIDERATIONS**

DISPOSAL METHOD:

DISPOSE OF FOLLOWING ALL LOCAL AUTHORITY REQUIREMENTS FOR DISPOSAL.

PRODUCT DISPOSAL:

DISPOSE OF IN A MANNER CONSISTENT WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

EMPTY CONTAINER:

DISPOSE OF IN A MANNER CONSISTENT WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

### **14. TRANSPORT INFORMATION**

DOT (DEPARTMENT OF TRANSPORTATION):

PROPER SHIPPING NAME: NOT RESTRICTED

ROAD AND RAIL (ADR/RID):

PROPER SHIPPING NAME: NOT RESTRICTED

AIR (ICAO/IATA):

SHIPPING NAME: NOT RESTRICTED

VESSEL (IMO/IMDG):

SHIPPING NAME: NOT RESTRICTED

CANADA TRANSPORT OF DANGEROUS GOODS:

SHIPPING NAME: NOT RESTRICTED

### **15. REGULATORY INFORMATION**

UNITED STATES:

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

FIRE: NO

PRESSURE GENERATING: NO

REACTIVITY: NO

ACUTE: YES

CHRONIC: NO

TSCA (TOXIC SUBSTANCE CONTROL ACT) :  
TSCA STATUS: ALL INGREDIENTS IN THIS MIXTURE ARE IN COMPLIANCE WITH TSCA.

CALIFORNIA PROPOSITION 65:

WARNING:  
THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE  
CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

CANADA:

WHMIS HAZARD SYMBOL AND CLASSIFICATION: TOXIC

D2B - TOXIC (IRRITANT)

WHMIS CLASS:  
D2B - TOXIC (IRRITANT)

## **16. OTHER INFORMATION**

TITLE: REGULATORY AFFAIRS MANAGER

PREPARED BY: MARY ROBLES

DATE-REVISED: 11/14/2014

REVISION SUMMARY: THIS MSDS REPLACES THE 11/14/2014 MSDS.

HMIS RATING:  
HEALTH 2  
FLAMMABILITY 1  
PHYSICAL HAZARD 0  
PERSONAL PROTECTION

NFPA CODES:  
1  
2  
0

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