

MATERIAL SAFETY DATA SHEET

GIT-ROT PART "A"

FILE NO.: 0013
MSDS DATE: 05/16/06

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Git-Rot Part "A"
SYNONYMS: Git-Rot resin
PRODUCT CODES: 1063,1064,1065

MANUFACTURER: Life Industries Corporation
DIVISION: Manufacturing
ADDRESS: 4060 Bridge View Drive
N. Charleston, SC 29405

EMERGENCY PHONE (USA): 1-800-424-9300
EMERGENCY PHONE (Outside USA): 1-703-527-3887
OTHER CALLS: 1-800-262-8200
FAX PHONE: (843)-566-1275

PRODUCT USE: Resin system used to fill voids in wood created by rotting material as well as prevent further damage.
PREPARED BY: Travis G. Gevedon, M.S.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

1.) Aliphatic Glycidyl Ether

CAS NO.	% WT	% VOL	SARA 313 REPORTABLE
068609-97-2	< 30.0	NA	NA
OSHA PEL-TWA:	PPDM	mg/m ³	
OSHA PEL STEL :	NA	NA	
OSHA PEL CEILING:	NA	NA	
ACGIH TLV-TWA:	NA	NA	
ACGIH TLV STEL:	NA	NA	
ACGIH TLV CEILING:	NA	NA	

2.) Liquid Resin

CAS NO.	% WT	% VOL	SARA 313 REPORTABLE
025068-38-6	< 70.0	NA	NA
OSHA PEL-TWA:	PPDM	mg/m ³	
OSHA PEL STEL :	NA	NA	
OSHA PEL CEILING:	NA	NA	
ACGIH TLV-TWA:	NA	NA	
ACGIH TLV STEL:	NA	NA	
ACGIH TLV CEILING:	NA	NA	

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3.) Dibutyl Phthalate

<u>GAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
000084-74-2	< 15.0	NA	NA
OSHA PEL-TWA:	DEPT	mg/m ³	
OSHA PEL STEL:	NA	5.0	
OSHA PEL CEILING:	NA	NA	
ACGIH TLV-TWA:	NA	5.0	
ACGIH TLV STEL:	NA	NA	
ACGIH TLV CEILING:	NA	NA	

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

ROUTES OF ENTRY: INGESTION, SKIN CONTACT, EYE CONTACT

POTENTIAL HEALTH EFFECTS

EYES: Mild to moderate irritation.

SKIN: Moderate irritation.

INGESTION: None known. See section 4 for course of action.

INHALATION: Inhalation hazards are possible at high temperatures.

ACUTE HEALTH HAZARDS: N/A

CHRONIC HEALTH HAZARDS: No information found.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NA

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with gentle but large stream of water for at least 15 minutes. Call a physician if irritation persists.

SKIN: Flush skin with plenty of water for at least 15 minutes. If irritation persists contact a physician.

INGESTION: DO NOT INDUCE VOMITING. Drink plenty of water; call physician immediately.

INHALATION (Burning Material): Provide adequate ventilation.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Treat symptomatically and supportively.

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SECTION 4 NOTES:

FILE NO.: 0013

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SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Foam, CO₂, Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not considered to be an explosion hazard; autoignition temperature is 226 F (107 C)

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Oxides, ammonia, phenols and amines.

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Confine spill and place in a closed container. Wipe up excess with dry rags and place in a closed container.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Avoid contact with skin and eyes by using personal protective equipment; product is moisture sensitive (store in a dark, DRY place).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use adequate ventilation to keep airborne concentrations low.

RESPIRATORY PROTECTION: Not generally required.

EYE PROTECTION: Goggles

SKIN PROTECTION: PVC or rubber gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, viscous liquid

ODOR: Mild; characteristic of product.

PHYSICAL STATE: Liquid

PH AS SUPPLIED: NA

PH (Other):

BOILING POINT:
F: 215
C: 105

MELTING POINT:

F: NA
C: NA

FREEZING POINT:

F: NA
C: NA

VAPOR PRESSURE (mmHg): NA

VAPOR DENSITY (AIR = 1): NA

SPECIFIC GRAVITY (H₂O = 1): 1.10

EVAPORATION RATE: NA

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BASIS (=1):

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (cont'd)

SOLUBILITY IN WATER: Soluble

PERCENT VOLATILE: 0%

BY VOL @

F: NA

C: NA

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under ordinary conditions of use and storage.

CONDITIONS TO AVOID (STABILITY): NA

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: NA

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): Highly basic compounds can cause irreversible polymerization. Strong oxidizers should be avoided.

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Acute effects: Possible contact dermatitis.

CHRONIC EFFECTS FROM OVEREXPOSURE: This product contains dibutyl phthalate which has caused adverse reproductive effects in laboratory animals when given in high doses, orally. High doses are not expected in humans as the route of overexposure in the lab animals (oral) is not considered a distinct possibility in humans.

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: This product contains dibutyl phthalate, which is considered a Marine Pollutant.

No ecological information available.

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

MATERIAL SAFETY DATA SHEET

GHT-ROT PART "A"

FILE NO.: 0013

MSDS DATE: 05/15/06

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DI-N-BUTYL PHTHALATE)

HAZARD CLASS: 9

ID NUMBER: UN 3082

PACKING GROUP: III

LABEL STATEMENT: NA

***This product, in its frequently shipped quantities (4oz, 16oz, 32oz) meets the U.S. Department of Transportation's guidelines for limited quantities of materials. Since it meets these requirements, the product shall be labeled as ORM-D and shipped as such. In the event that larger quantities of material are shipped, the space below shall be the location where the chemist, or whomever is taking responsibility for proper shipping information, shall fill in the necessary information. This case will take precedence when quantities larger than 100 lbs are shipped, at which time the product will be subject to reportable quantities.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): NA

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): NA

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): NA

311/312 HAZARD CATEGORIES: NA

313 REPORTABLE INGREDIENTS: NA

STATE REGULATIONS: NA

INTERNATIONAL REGULATIONS: NA

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

European Risk Phrases:

R 20/21/22, R 37/38, R 51/53

European Safety Phrases:

S2, S 3/9/14, S 7/9, S 29/56, S 37/39

PREPARATION INFORMATION:

Travis G. Gevedon, M.S.
Chemist—Life Industries

Signature



DISCLAIMER: The information and recommendations contained herein are based upon data believed to be correct. Life Industries Corporation assumes no liability for misinterpretation of the data contained within this form as any type of warranty or guarantee of the product.



MATERIAL SAFETY DATA SHEET

GIT-ROT PART "B"

FILE NO.: 0012

MSDS DATE: 05/16/06

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Git-Rot Part "B"
SYNONYMS: Resin system curing agent
PRODUCT CODES: 1063, 1064, 1065

MANUFACTURER: Life Industries Corporation
DIVISION: Manufacturing
ADDRESS: 4060 Bridge View Drive
N. Charleston, SC 29405

EMERGENCY PHONE (USA): 1-800-424-9300
EMERGENCY PHONE (Outside USA): 1-703-527-3887
OTHER CALLS: 1-800-262-8200
FAX PHONE: (843)-666-1275

PRODUCT USE: Curing agent for resin system used to fill voids in wood created by rotting material as well as prevent further damage.
PREPARED BY: Travis G. Gevedon, M.S.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT(S):

1.) Organic Amines

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
000140-31-8	< 60.0	NA	NA
OSHA PEL-TWA:	<u>ppm</u>	<u>mg/m³</u>	
OSHA PEL STEL:	NA	NA	
OSHA PEL CEILING:	NA	NA	
ACGIH TLV-TWA:	NA	NA	
ACGIH TLV STEL:	NA	NA	
ACGIH TLV CEILING:	NA	NA	

2.) Nonylphenol

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
025154-52-3	< 25.0	NA	NA
OSHA PEL-TWA:	<u>ppm</u>	<u>mg/m³</u>	
OSHA PEL STEL:	NA	NA	
OSHA PEL CEILING:	NA	NA	
ACGIH TLV-TWA:	NA	NA	
ACGIH TLV STEL:	NA	NA	
ACGIH TLV CEILING:	NA	NA	

MATERIAL SAFETY DATA SHEET

GIT-ROT PART "B"

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3.) Polypropylene Glycol

CAS NO.	%WT	%VOL	SARA 313 REPORTABLE
025322-69-4	< 20.0	NA	NA

OSHA PEL-TWA:
OSHA PEL STEL :
OSHA PEL CEILING:

ppm	mg/m ³
NA	NA
NA	NA
NA	NA

ACGIH TLV-TWA:
ACGIH TLV STEL:
ACGIH TLV CEILING:

NA	NA
NA	NA
NA	NA

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: CORROSIVE—CAN CAUSE EYE AND SKIN BURNS; harmful or fatal if swallowed.

ROUTES OF ENTRY: INGESTION, SKIN CONTACT, EYE CONTACT

POTENTIAL HEALTH EFFECTS

EYES: Severe irritation.

SKIN: Severe irritation.

INGESTION: Causes burning of the mouth, throat and stomach. See section 4 for course of action.

INHALATION: Vapors or mist are irritating and cause sneezing, coughing and discomfort in the sinus cavities. Repeated overexposure may result in lung damage.

ACUTE HEALTH HAZARDS: N/A

CHRONIC HEALTH HAZARDS: No information found.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NA

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with gentle but large stream of water for at least 15 minutes. Call a physician if irritation persists.

SKIN: Flush skin with plenty of water for at least 15 minutes. If irritation persists contact a physician.

INGESTION: DO NOT INDUCE VOMITING. Drink plenty of water, call physician immediately.

INHALATION (Burning Material): Provide adequate ventilation.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Treat symptomatically and supportively.

MATERIAL SAFETY DATA SHEET

GHT-ROT PART "B"

FILE NO.: 0012
MSDS DATE: 05/16/06

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Foam, CO₂, Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not considered to be an explosion hazard; autoignition temperature is 226 F (107 C)

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Oxides, ammonia, phenols and amines.

SECTION 6 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Confine spill and place in a closed container. Wipe up excess with dry rags and place in a closed container.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Avoid contact with skin and eyes by using personal protective equipment; product is moisture sensitive (store in a dark, DRY place).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use adequate ventilation to keep airborne concentrations low.

RESPIRATORY PROTECTION: Not generally required.

EYE PROTECTION: Goggles

SKIN PROTECTION: PVC or rubber gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear; can have a green tint at times due to manufacturing process.

ODOR: Mild; ammonia odor.

PHYSICAL STATE: Liquid

pH AS SUPPLIED: NA

pH (Other):

BOILING POINT:

F: NA

C: NA

MELTING POINT:

F: NA

C: NA

FREEZING POINT:

F: NA

C: NA

VAPOR PRESSURE (mmHg): NA

VAPOR DENSITY (AIR = 1): NA

SPECIFIC GRAVITY (H₂O = 1): 0.98

MATERIAL SAFETY DATA SHEET

GIT-ROT PART "B"
EVAPORATION RATE: NA

FILE NO.: 0012
MSDS DATE: 05/16/06

BASIS (=1):

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (cont)

SOLUBILITY IN WATER: Soluble

PERCENT VOLATILE: 0%

BY VOL @
F: NA
C: NA

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under ordinary conditions of use and storage.

CONDITIONS TO AVOID (STABILITY): NA

INCOMPATIBILITY (MATERIAL TO AVOID): strong oxidizing agents, acids, acid anhydrides, acid chlorides, strong oxidizing agents and chloroformates.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Oxides, ammonia, phenols and amines

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): NA

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Acute effects: EYES-causes severe irritation; blinking and watery eyes will result from contact. Severe damage may cause blindness. SKIN-Redness and swelling; chemical burn can be caused if not evacuated from skin as soon as possible. INHALATION-sneezing, coughing, discomfort of sinus cavities and possible lung damage. INGESTION-Burning of mouth, throat and stomach accompanied by abdominal and chest pain. Nausea, vomiting, diarrhea, thirst, weakness and collapse. Aspiration may occur during swallowing or vomiting, resulting in lung damage.

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: This product contains nonylphenol, which is considered a Marine Pollutant.

No ecological information available.

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

MATERIAL SAFETY DATA SHEET

GIT-ROT PART "B"

FILE NO.: 0012

MSDS DATE: 05/16/06

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: AMINOETHYLPIPERAZINE, MIXTURE, N.O.S.

HAZARD CLASS: 8

ID NUMBER: UN 2815

PACKING GROUP: III

LABEL STATEMENT: CORROSIVE

"***" This product, in its frequently shipped quantities (4oz, 16oz, 32oz) meets the U.S. Department of Transportation's guidelines for limited quantities of materials. Since it meets these requirements, the product shall be labeled as ORM-D and shipped as such. In the event that larger quantities of material are shipped, the space below shall be the location where the chemist, or whomever is taking responsibility for proper shipping information, shall fill in the necessary information. This case will take precedence when quantities larger than _____ lbs are shipped, at which time the product will be subject to proper labeling.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): NA

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): NA

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): NA

311/312 HAZARD CATEGORIES: NA

313 REPORTABLE INGREDIENTS: NA

STATE REGULATIONS: NA

INTERNATIONAL REGULATIONS: NA

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

European Risk Phrases:

R 20/21/22, R 37/38, R 51/53

European Safety Phrases:

S2, S 3/9/14, S 7/9, S 29/56, S 37/39

PREPARATION INFORMATION:

Travis G. Gevedon, M.S.
Chemist—Life Industries

Signature



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