SAFETY DATA SHEET
Griffin Heel & Sole Renew

Printed: 10/22/2017
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1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: 00848

Product Name: Griffin Heel & Sole Renew

Company Name: Griffin Shoe Care Company
6101 Factory Rd
Suite B
Crystal Lake, IL 60014

Phone Number: +1 (779)220-4181

Web site address: http://griffinshoecare.com/

Emergency Contact: CHEMTREC

Emergency Phone: +1 (800)424-9300

2. HAZARDS IDENTIFICATION

Flammable Liquids, Category 4
Skin Corrosion/Irritation, Category 3

No GHS Symbols Apply to this Product

GHS Signal Word: **Warning**

GHS Hazard Phrases: H227 - Combustible liquid.
H316 - Causes mild skin irritation.

GHS Precaution Phrases: P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: P332+313 - If skin irritation occurs, get medical advice/attention.

GHS Storage and Disposal Phrases: P403+235 - Store in cool/well-ventilated place. P501 - Dispose of contents and containers in accordance with local, regional, national, and international regulations.

Inhalation: None known.

Skin Contact: Prolonged exposure may cause skin irritation.

Eye Contact: May cause mild eye irritation. Direct contact may cause stinging, tearing or redness. Prolonged exposure may cause irritation.

Ingestion: Ingestion of excessive quantities may cause digestive tract irritation and signs of nervous system depression such as drowsiness, lack of coordination or headache.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
7732-18-5	Water	75.0 - 85.0 %
111-76-2	Ethylene glycol monobutyl ether	1.00 - 5.00 %
67-63-0	Isopropyl alcohol	~1.00 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation: Remove victim to fresh air.

In Case of Skin Contact: Wash with plenty of soap and water. Get immediate medical attention if irritation develops and persists.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get immediate medical attention if irritation develops and persists.

In Case of Ingestion: Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Note to Physician: Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt: NA Method Used: Not Applicable

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NA

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear.

Flammable Properties and Hazards: Containers can build up pressure if exposed to heat (fire). Use water spray to keep fire-exposed containers cool.

Hazardous Combustion Products: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Use proper personal protective equipment as indicated in Section 8.

Environmental Precautions: Do not let product enter storm drains, storm sewers, watersheds or water systems unless authorized.

Steps To Be Taken In Case Material Is Released Or Spilled: Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

For small spills, clean up with absorbent material. Collect material in suitable and properly labeled open containers.

For large spills, dike and pump into suitable and properly labeled containers.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling.

Precautions To Be Taken in Storing: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep container tightly closed when not in use. Protect containers against damage. Avoid prolonged storage at high temperatures.

Other Precautions: Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7732-18-5	Water	No data.	No data.	No data.
111-76-2	Ethylene glycol monobutyl ether	PEL: 50 ppm	TLV: 20 ppm	No data.
67-63-0	Isopropyl alcohol	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.

Respiratory Equipment (Specify Type): Do not breathe vapor or mist. None required under normal usage at ambient temperatures.

Eye Protection: Safety glasses should be sufficient for most operations; however, for misty operations wear chemical goggles.

Protective Gloves: Wear appropriate gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility, and a safety shower is recommended.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Environmental Exposure Controls: Do not let product enter storm drains, storm sewers, watersheds or water systems unless authorized.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [ ] Gas [X] Liquid [ ] Solid

Appearance and Odor: Appearance: Black. Liquid.
Odor: solvent odor.

pH: NA

Melting Point: NA

Boiling Point: NA

Flash Pt: NA Method Used: Not Applicable

Evaporation Rate: NA

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): NA

Vapor Density (vs. Air = 1): NA

Specific Gravity (Water = 1): NA

Density: NA

Bulk density: NA

Solubility in Water: NA

Saturated Vapor Concentration: NA

Octanol/Water Partition Coefficient:	No data.
Percent Volatile:	NA
VOC / Volume:	NA
Autoignition Pt:	NA
Decomposition Temperature:	NA
Viscosity:	NA
Particle Size:	NA
Heat Value:	NA
Corrosion Rate:	NA

10. STABILITY AND REACTIVITY

Reactivity:	Not reactive at normal temperatures and pressures.
Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	High temperatures, Ignition sources, Incompatible materials.
Incompatibility - Materials To Avoid:	Strong oxidizing agents.
Hazardous Decomposition or Byproducts:	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:

Epidemiology: No information available.
Teratogenicity: No information available.
Reproductive Effects: No information available.
Mutagenicity: No information available.
Neurotoxicity: No information available.

Other Studies: CAS# 67-63-0:
Acute toxicity, LD50, Oral, Rat, 5045 mg/kg.

Other Studies: CAS# 111-76-2:
Acute toxicity, LC50, Inhalation, Rat, 450.0 ppm, 4 H.
Acute toxicity, LD50, Oral, Rat, 470.0 mg/kg
Acute toxicity, LD50, Skin, Rabbit, 220.0 mg/kg.

Irritation or Corrosion:

Other Studies: CAS# 67-63-0:
Standard Draize Test, Skin, Species: Rabbit, 500 mg
Standard Draize Test, Eyes, Species: Rabbit, 100 mg, 24H.

Other Studies: CAS# 111-76-2:
Standard Draize Test, Eyes, Species: Rabbit, 100.0 mg, 24 H.

Symptoms related to Toxicological Characteristics: Prolonged exposure may cause skin irritation. May cause mild eye irritation. Direct contact may cause stinging, tearing or redness. Ingestion of excessive quantities may cause digestive tract irritation and signs of nervous system depression such as drowsiness, lack of coordination or headache.

Chronic Toxicological Effects: No data available.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. ECOLOGICAL INFORMATION

General Ecological Information: Environmental: No information available.
Physical: No information available.

Other Studies: CAS# 67-63-0:
LC50, Water Flea (Daphnia magna), 10000 mg/L, 24H
LC50, Fathead Minnow (Pimephales promelas), 6550000 ug/L, 96H.

Other Studies: CAS# 111-76-2:
LC50, Water Flea (Daphnia magna), 1720 mg/l, 24 H
LC50, Common Shrimp, Sand Shrimp (Crangon crangon), 775000 ug/l, 96 H
LC50, Amphipod (Chaetogammarus marinus), young organism(s), 1000 mg/l, 24 H.

Results of PBT and vPvB assessment: No data available.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.
DOT Hazard Class:
UN/NA Number:

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7732-18-5	Water	No	No	No
111-76-2	Ethylene glycol monobutyl ether	No	No	Yes-Cat. N230
67-63-0	Isopropyl alcohol	No	No	Yes

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7732-18-5	Water	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
111-76-2	Ethylene glycol monobutyl ether	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Yes - Cat.; NC TAP: Yes - Cat.; NJ EHS: Yes - Cat.; NY Part 597: No; PA HSL: Yes - 1; SC TAP: Yes - Cat.; WI Air: Yes

67-63-0	Isopropyl alcohol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 1076; NY Part 597: No; PA HSL: Yes - E; SC TAP: No; WI Air: No

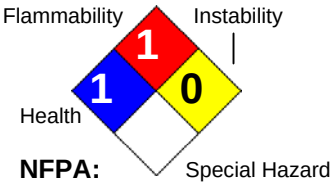
CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
7732-18-5	Water	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes
111-76-2	Ethylene glycol monobutyl ether	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes
67-63-0	Isopropyl alcohol	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes - 1219

16. OTHER INFORMATION

Revision Date: 10/22/2017

Preparer Name: Crystal Maira

Hazard Rating System:



Additional Information: No data available.

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