



SAFETY DATA SHEET

Forerunner lane Cleaner

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Printed: 03/17/2015

Revision: 03/17/2015

Supersedes Revision: 10/31/2014

1. Product and Company Identification

Product Code: 260100
Product Name: Forerunner lane Cleaner
Company Name: GORM, Inc.
1501 South Hudson Avenue
Ontario, CA 91761
Phone Number: (909)292-1400
Web site address: www.gorminc.com
Emergency Contact: ChemTel (800)255-3924
Recommended Use: Carpet Cleaner
Intended Use: For sale to, use and storage by service persons only.

2. Hazards Identification

Acute Toxicity: Oral, Category 5
Serious Eye Damage/Eye Irritation, Category 2B
Skin Corrosion/Irritation, Category 2
Acute Toxicity: Inhalation, Category 5



GHS Signal Word: **Warning**
GHS Hazard Phrases: May be harmful if swallowed.
Causes eye irritation.
Causes skin irritation.
May be harmful if inhaled.
GHS Precaution Phrases: Wash hands thoroughly after handling.
Wear protective gloves, protective clothing, eye protection, face protection.
Take off contaminated clothing and wash it before reuse.
GHS Response Phrases: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN: Wash with plenty of soap and water.
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
GHS Storage and Disposal Phrases: Store in cool dry place at room temperature away from direct sunlight.
Dispose of contents and container according to the local, city, state and federal regulations.
Potential Health Effects (Acute and Chronic):
Inhalation: Causes irritation of the mucous membrane and upper respiratory tract.
Skin Contact: Causes skin irritation.
Eye Contact: Causes eye irritation. May cause chemical conjunctivitis.
Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.



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3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7320-34-5	Potassium pyrophosphate	Proprietary
111-76-2	Ethanol, 2-Butoxy-	Proprietary

4. First Aid Measures

Emergency and First Aid

Procedures:

In Case of Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
In Case of Skin Contact:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
In Case of Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
In Case of Ingestion:	Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
Note to Physician:	Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt:	NE	Method Used:	Estimate
Explosive Limits:	LEL: N/A	UEL:	N/A
Autoignition Pt:	NP		
Suitable Extinguishing Media:	Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate 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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.		
Flammable Properties and Hazards:	No data available.		

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.
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7. Handling and Storage

Precautions To Be Taken in Handling:	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.
Precautions To Be Taken in Storing:	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

8. Exposure Controls/Personal Protection



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CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7320-34-5	Potassium pyrophosphate	No data.	No data.	No data.
111-76-2	Ethanol, 2-Butoxy-	PEL: 50 ppm	TLV: 20 ppm	No data.

Respiratory Equipment Always use a NIOSH approved respirator when necessary.

(Specify Type):

Eye Protection: Rubber gloves.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

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

Engineering Controls Use adequate ventilation to keep airborne concentrations low.

(Ventilation etc.):

9. Physical and Chemical Properties

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

Appearance and Odor: Colorless liquid with citrus fragrance.

Melting Point: NE

Boiling Point: > 212.00 F

Decomposition Temperature: NE

Autoignition Pt: NP

Flash Pt: NE Method Used: Estimate

Explosive Limits: LEL: N/A UEL: N/A

Specific Gravity (Water = 1): 1.055

Density: 8.80 lbs/gal

Bulk density: NE

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

Vapor Density (vs. Air = 1): NE

Evaporation Rate: NE

Solubility in Water: 100%

Saturated Vapor Concentration: NE

Viscosity: NP

pH: 9 - 11

Percent Volatile: No data.

VOC / Volume: 5.0000 G/L

Particle Size: NE

Heat Value: NE

Corrosion Rate: NE

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - None.

Instability:

Incompatibility - Materials To Cationic materials, strong oxidizers.

Avoid:

Hazardous Decomposition Or Phosphine, oxides of phosphorus, irritating and toxic fumes and gases, CO, CO2.

Byproducts:

Possibility of Hazardous Will occur [] Will not occur [X]

Reactions:



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Conditions To Avoid - None.
Hazardous Reactions:

11. Toxicological Information

Toxicological Information: No data available.

CAS# 7320-34-5:

Acute toxicity, LD50, Skin, Species: Rabbit, 4640. MG/KG.

Results:

Paternal Effects: Testes, epididymis, sperm duct.

- National Technical Information Service, Vol/p/yr: OTS0571153,

CAS# 111-76-2:

Acute toxicity, LD50, Oral, Rat, 470.0 MG/KG.

Results:

Behavioral: Somnolence (general depressed activity).

Behavioral: Muscle weakness.

- Dow Chemical Company Reports., Dow Chemical USA, Health and Environment Research, Toxicology Research Lab, Midland, MI 48640, Vol/p/yr: MSD-46,

Acute toxicity, LC50, Inhalation, Rat, 450.0 PPM, 4 H.

Results:

Behavioral: Ataxia.

Nutritional and Gross Metabolic: Weight loss or decreased weight gain.

- Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 68,405, 1983

CAS# 7320-34-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

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

12. Ecological Information

No data available.

Results of PBT and vPvB assessment:

CAS# 111-76-2:

LC50, Brine Shrimp (*Artemia salina*), nauplii, 1000000. UG/L, 24 H, Mortality, Water temperature: 24.00 C C.

Results:

Morphological changes.

- Brine Shrimp Bioassay and Seawater BOD of Petrochemicals, Price, K.S., G.T. Waggy, and R.A. Conway, 1974

13. Disposal Considerations

Waste Disposal Method: Dispose of contents and container according to the local, city, state and federal regulations.



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14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not regulated as a hazardous material.

DOT Hazard Class:

UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Not Regulated.

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated.

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)
7320-34-5	Potassium pyrophosphate	No	No	No
111-76-2	Ethanol, 2-Butoxy-	No	No	Yes-Cat. N230

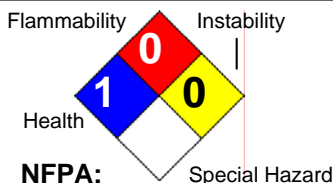
CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7320-34-5	Potassium pyrophosphate	CA PROP.65: No
111-76-2	Ethanol, 2-Butoxy-	CA PROP.65: No

16. Other Information

Hazard Rating System:

HEALTH	1
FLAMMABILITY	0
PHYSICAL	0
PPE	B

HMIS:



Revision Date:

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Additional Information About PPE B: safety glasses; gloves.

This Product:

Company Policy or

Disclaimer:

The manufacturer believes the data set forth are accurate and makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion.