



# Safety Data Sheet- Deck Cleaner

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: SUN FROG DECK CLEANER.

### MANUFACTURER

Sun Frog Products, Inc.  
10100 SE Main St  
Milwaukie, OR 97222

INFORMATION PHONE: (503) 699-1162

### 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTEC: (800) 424-9300

## 2. HAZARDS IDENTIFICATION

### Warning!

### EMERGENCY OVERVIEW:

Harmful if swallowed. Also harmful by inhalation and in contact with skin. Avoid eye contact with vapor, spray, or mist. Avoid skin contact. Avoid breathing of vapors. Do not eat, drink, or smoke when using this product. Wash exposed areas thoroughly with soap and water.

## EMERGENCY OVERVIEW

### GHS Ratings:

Flammable liquid 3 Flash point  $\geq 23^{\circ}\text{C}$  and  $\leq 60^{\circ}\text{C}$  ( $140^{\circ}\text{F}$ )

### GHS Hazards

H227 Combustible liquid

### GHS Precautions

P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking  
P233 Keep container tightly closed  
P241 Use explosion-proof electrical/ventilating/light/equipment  
P242 Use only non-sparking tools  
P243 Take precautionary measures against static discharge  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

### Signal Word: Warning



### 3. COMPOSITION/INFORMATION

Chemical Name	CAS number	W e i g h t Concentration %
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	36.00%
Distillates, hydrotreated heavy paraffinic	64742-54-7	34.00%

### 4. FIRST AID MEASURES

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention. Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. If irritation occurs or persists, get medical attention. Remove contaminated clothing/shoes. Flush skin with water for at least 15 minutes. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. DO NOT INDUCE VOMITING. Do not attempt to give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention. If more than 2.0 ml (1 fluid ounce = 29.57 ml) per kg (1 kg = 2.2 pounds) of body mass has been ingested and vomiting has not occurred, emesis (vomiting) should be induced with supervision. Keep victim's head below hips to prevent aspiration.

### 5. FIRE FIGHTING MEASURES

Flash Point: 41 C (106 F)  
LEL: 1% UEL: 7%

Use water fog, Alcohol Resistant Aqueous Film Forming Foam, dry chemical, or CO2. When heated above the flash point, this material emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point. Carbon monoxide and unidentified organic compounds may be formed during combustion. WARNING! Flammable Liquid. Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear, including a positive pressure NIOSH approved SCBA. Cool fire exposed containers with water.

### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:**  
WARNING! Flammable. Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Only specially trained or qualified personnel should handle the emergency. Stop the flow of material, if this is without risk. Do not contaminate water sources or sewer.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:**

Keep away from heat, sparks, and flame. Surfaces that are hot may ignite this product even in the absence of sparks or flame. Extinguish all nearby pilot lights, cigarettes and other sources of ignition prior to use and until all vapors are gone. Product should generally be used outdoors only, though if used indoors make sure lots of ventilation and air exchange occurs to prevent vapor build-up. **DO NOT BREATHE VAPORS OR MISTS!**

**COMMENTS:** KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.

<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>			
<b>Chemical Name / CAS No.</b>	<b>OSHA Exposure Limits</b>	<b>ACGIH Exposure Limits</b>	<b>Other Exposure Limits</b>
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	Not Established	Not Established	Not Established
Distillates, hydrotreated heavy paraffinic 64742-54-7	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	Not Established

Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below TLV. Ventilation equipment must be explosion proof.

**EYES AND FACE:**

Chemical splash goggles and face shield in compliance with OSHA regulations are advised; however, OSHA regulations also permit other types of safety glasses. (Consult your industrial hygienist.)

**SKIN:**

Wear chemical resistant gloves such as: Poly Vinyl Alcohol (PVA), Viton, or Teflon gloves or consult your safety equipment supplier. Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. The equipment must be cleaned thoroughly after each use.

**RESPIRATORY:**

If exposure may or does exceed occupational exposure limits use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

**PROTECTIVE CLOTHING:**

Where splashing is possible, full chemically resistant protective clothing and boots are required.

**WORK HYGIENIC PRACTICES:**

Use good personal hygiene when handling this product. Wash hands after use before eating, drinking, smoking or using the toilet.

## OTHER USE PRECAUTIONS:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. If clothing is contaminated, discard or launder.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Liquid

<b>Appearance</b> Translucent colors	<b>Odor</b> Pungent odor
<b>Physical State</b> Liquid	<b>Vapor Density</b> Heavier than air.
<b>Evaporation Rate</b> Slower than ether.	<b>Specific Gravity (SG)</b> 0.909

## 10. STABILITY AND REACTIVITY

**STABLE** Keep away from pure Oxygen and strong Oxidants. Product will dissolve or soften some plastics and rubber.

**REACTIVITY** Carbon monoxide and unidentified organic compounds may be formed during combustion. There should be no decomposition if stored and applied as directed.

Hazardous Polymerization will not occur under normal circumstances.

## 11. TOXICOLOGICAL INFORMATION

### Mixture & Component Toxicity

64742-88-7	Solvent naphtha (petroleum), medium aliphatic Dermal LD50: 4,000 mg/kg (RABBIT)
64742-54-7	Distillates, hydrotreated heavy paraffinic Oral LD50: 5,000 mg/kg (RAT) Dermal LD50: 3,000 mg/kg (RAT)

Toxicological testing has not been conducted with this material.

### POTENTIAL HEALTH EFFECTS

**EYES:** Liquid is moderately irritating to the eyes. High vapor concentrations may also be irritating. Direct eye contact with the liquid or eye exposure to its vapors or mists may cause stinging, tearing, redness.

**SKIN:** Liquid is mildly irritating to the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

### INGESTION:

Liquid is moderately toxic and may be harmful if swallowed; may produce CNS depression. Ingestion of product may result in vomiting; aspiration (breathing) of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.

**INHALATION:**

High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness).

**EFFECTS OF OVEREXPOSURE-**

**Carcinogenicity:**

NTP Carcinogen: No

IARC Monographs: No

**IMMEDIATE CONCERNS:** WARNING! Flammable liquid and vapor. Harmful or fatal if swallowed. Vapor harmful. May cause central nervous system depression. May be irritating to eyes and skin.

**MEDICAL CONDITIONS AGGRAVATED:**

Persons with pre-existing skin, eye, or central nervous system disorders, or impaired liver, kidney, or pulmonary function may be susceptible to the effects of this substance.

**COMMENTS:**

Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

**12. ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION:**

Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

This material is toxic to aquatic organisms and may cause long-term adverse effects to the aquatic environment.

**Component Ecotoxicity**

Solvent naphtha (petroleum), medium aliphatic	LC50 (Fish, 96hr) 45mg/liter emulsified, 18-20mg/liter – water soluble (Pimephelas promelas) NOTE: Mineral spirits is essentially water insoluble. The above tests recognize this. The 1st test emulsified the product, the 2nd equilibrated it with water, then tested. LC50 (Crustacea, 48hr) 1.4, 1.9, 3-10, 21 & 40-89mg/liter (Daphnia magna) <sup>1</sup> LC50 (Algae, 72hr) 1-3, 4.3, 5.0, 8.3 & 10-30mg/liter (Pseudokirchnerella subcapitata) <sup>1</sup> LC50 (Bacteria) 678mg/liter (Tetrahymena pyriformis – computer estimate)
Distillates, hydrotreated heavy paraffinic	Water hazard class 2 (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:**

The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not discharge into sewers, streams, or any body of water. Do not spill or dump onto ground.

**EMPTY CONTAINER:**

KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue and can be dangerous. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition.

**RCRA/EPA WASTE INFORMATION:**

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. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**14. TRANSPORT INFORMATION**

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** For Domestic Ground Only-Paint Not Regulated

**PRIMARY HAZARD CLASS/DIVISION:** 3

**UN/NA NUMBER:** UN1263

**PACKING GROUP:** PGIII

**NAERG:** 127

**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** 1000 lbs.

**LABEL:** N/A

<b>Agency</b>	<b>Proper Shipping Name</b>	<b>UN Number</b>	<b>Packing Group</b>	<b>Hazard Class</b>
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**15. REGULATORY INFORMATIONS**

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT) CERCLA**

**RQ:** 1000 lbs.

<b>Country</b>	<b>Regulation</b>	<b>All Components Listed</b>
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**EU Risk Phrases**

R20: Harmful by inhalation

R22: Harmful if swallowed

**Safety Phrase**

S2: Keep out of the reach of children

S16: Keep away from sources of ignition - No smoking

S24: Avoid contact with skin

S25: Avoid contact with eyes

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S27:

Take off immediately all contaminated clothing

S39: Wear eye/face protection

S46: If swallowed, seek medical advice immediately and show this container or label to doctor.

S51: Use only in well-ventilated areas

S20/21: When using do not eat, drink or smoke

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

## TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA REGULATORY:** There are **NO** components of this product that are on the TSCA Inventory or are exempt from TSCA Inventory requirements under CFR 40 720.30.

## SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

### 311/312 HAZARD CATEGORIES:

This product should be reported as an immediate (acute) health hazard, delayed (chronic) health hazard, and a fire hazard.

**FIRE:** Yes, Combustible. **PRESSURE GENERATING:** No. **REACTIVITY:** No. **ACUTE:** Yes.

**CHRONIC:** Yes.

**313 REPORTABLE INGREDIENTS:** May have trace amounts of Toluene (CAS 108-88-3) and benzene (CAS 71-43-2).

## 302/304 EMERGENCY PLANNING

**EMERGENCY PLAN:** To the best of our knowledge, this product is not listed as an extremely hazardous substance.

## 16. OTHER INFORMATION

Hazardous Material Information System (HMMS)

National Fire Protection Association (NFPA)

HEALTH	<input type="checkbox"/>	<input type="checkbox"/>	=1
FLAMMABILITY	<input type="checkbox"/>	<input type="checkbox"/>	
PHYSICAL HAZARD	<input type="checkbox"/>	<input type="checkbox"/>	
PERSONAL PROTECTION	<b>H</b>		

=2

=0

=3

**HMIS & NFPA Hazard Rating Legend**

\* = Chronic Health Hazard

**1. = INSIGNIFICANT**

**2. = SLIGHT**

**3. = MODERATE**

Flammability



Stability

Health

Special

**4. = HIGH**

**MANUFACTURER DISCLAIMER:**

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