

Sure Burn

MSDS# HP-SB

March 2012

6 pages

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Sure Burn

Manufacturer: Diversitech

Address: 6650 Sugarloaf Parkway, Duluth, GA, 30097

Emergency Phone No.: 1+1813.248.0585 24 Hours, 7 Days, Chem-Tel, Inc.

Phone (For Information): 1+678.542.3600

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2. HAZARDS IDENTIFICATION

Emergency Overview

May cause respiratory tract irritation, skin irritation, eye irritation, central nervous system depression, allergic reactions.

Potential Health Effects

EYES: Contact with liquid or vapor may cause mild irritation.

SKIN: May cause skin irritation with prolonged or repeated contact. Practically non-toxic if absorbed following acute (single) exposure. Liquid may be absorbed through the skin in toxic amounts if large areas of skin are repeatedly exposed.

INGESTION: The major health threat of ingestion occurs from the danger of aspiration (breathing) of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death. Ingestion may cause gastrointestinal disturbances, including irritation, nausea, vomiting and diarrhea, and central nervous system (brain) effects similar to alcohol intoxication. In severe cases, tremors, convulsions, loss of consciousness, coma, respiratory arrest, and death may occur.

INHALATION: Excessive exposure may cause irritations to the nose, throat, lungs and respiratory tract. Central nervous system (brain) effects may include headache, dizziness, loss of balance and coordination, unconsciousness, coma, respiratory failure, and death.

WARNING: the burning of any hydrocarbon as a fuel in an area without adequate ventilation may result in hazardous levels of combustion products, including carbon monoxide, and inadequate oxygen levels, which may cause unconsciousness, suffocation, and death.

CHRONIC EFFECTS and CARCINOGENICITY

Similar products produced skin cancer and systemic toxicity in laboratory animals following repeated applications. The significance of these results to human exposures has not been determined - see Section 11 Toxicological Information.

IARC classifies whole diesel fuel exhaust particulates as probably carcinogenic to humans (Group 2A).

NIOSH regards whole diesel fuel exhaust particulates as a potential cause of occupational lung cancer based on animal studies and limited evidence in humans.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Irritation from skin exposure may aggravate existing open wounds, skin disorders, and dermatitis (rash).

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3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS #	EINECS #	% by Weight	Hazard	Risk Phrases
Lithium					
Dodecylbenzenesulfonate	29062-27-9	249-403-5	5-10		
Magnesium naphthenate	1 336-93-2	215-650-2	1-2	Xi	R10; R36/37/38
Diesel Fuel	68476-34-6	270-676-1	70-80	Xn	R36/37

Full explanation of risk phrases located in Section 15.

4. FIRST AID MEASURES

EYES: In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 min. Hold eyelids open to ensure adequate flushing. Seek medical attention.

SKIN: Remove contaminated clothing. Wash contaminated areas thoroughly with soap and water or waterless hand cleanser. Obtain medical attention if irritation or redness develops.

INGESTION: DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Monitor for breathing difficulties.

Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

INHALATION: Remove person to fresh air. If person is not breathing provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately

5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA

SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, CO₂, water spray, fire fighting foam, or Halon.

LARGE FIRES: Water spray, fog or fire fighting foam. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.

FIRE FIGHTING INSTRUCTIONS: Small fires in the incipient (beginning) stage may typically be extinguished using handheld portable fire extinguishers and other fire fighting equipment. Firefighting activities that may result in potential exposure to high heat, smoke or toxic by-products of combustion should require NIOSH/MSHA-approved pressure-demand self-contained breathing apparatus with full facepiece and full protective clothing. Isolate area around container involved in fire.

6. ACCIDENTAL RELEASE MEASURES

ACTIVATE FACILITY'S SPILL CONTINGENCY OR EMERGENCY RESPONSE PLAN.

Evacuate nonessential personnel and remove or secure all ignition sources. Consider wind direction; stay upwind and uphill, if possible. Evaluate the direction of product travel, diking, sewers, etc. to confirm spill areas. Spills may infiltrate subsurface soil and groundwater; professional assistance may be necessary to determine the extent of subsurface impact.

Carefully contain and stop the source of the spill, if safe to do so. Protect bodies of water by diking, absorbents, or absorbent boom, if possible. Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material. The proper use of water spray may effectively disperse product vapors or the liquid itself, preventing contact with ignition sources or

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areas/equipment that require protection.

Absorb spill up with sand or other oil absorbing materials. Carefully shovel, scoop or sweep up into a waste container for reclamation or disposal - caution, flammable vapors may accumulate in closed containers.

Response and clean-up crews must be properly trained and must utilize proper protective equipment (see Section 8).

7. HANDLING AND STORAGE

Eliminate ignition sources. Avoid contact with skin and eyes. Avoid breathing vapors. Keep containers closed when not in use. Store in a dry, cool, well-ventilated area. Vapors of this material are heavier than air and may collect in low-lying areas such as pits, degreasers, storage tanks or other confined areas. Do not enter areas where vapors of this product are suspected unless special breathing apparatus is used and an observer is present for assistance. Handle in accordance with good industrial hygiene and safety practices.

Keep this and all chemicals out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

Diesel Fuel: (68476-34-6)

OSHA: 5 mg/m, as mineral oil mist

ACGIH: 100 mg/m³ (as totally hydrocarbon vapor) TWA A3, skin

ENGINEERING CONTROLS: Use adequate ventilation to keep vapor concentrations of this product below occupational exposure and flammability limits, particularly in confined spaces.

EYE/FACE PROTECTION: Safety glasses (ANSI Z87.1) or approved equivalent as necessary to minimize eye contact hazards.

SKIN PROTECTION: Gloves constructed of nitrile, neoprene, or PVC are recommended. Chemical protective clothing such as of E.I. DuPont TyChem®, Saranex® or equivalent recommended based on degree of exposure.

Note: The resistance of specific material may vary from product to product as well as with degree of exposure. Consult manufacturer specifications for further information.

RESPIRATORY PROTECTION: A NIOSH/MSHA-approved air-purifying respirator with organic vapor cartridges or canister may be permissible under certain circumstances where airborne concentrations are or may be expected to exceed exposure limits or for odor or irritation. Protection provided by air-purifying respirators is limited.

Refer to OSHA 29 CFR 1910.134, [NIOSH Respirator Decision Logic](#), and the manufacturer for additional guidance on respiratory protection selection.

Use a positive pressure, air-supplied respirator if there is a potential for uncontrolled release, exposure levels are not known, in oxygen-deficient atmospheres,

Ventilation: Local exhaust is recommended when used in enclosed areas.

Other Protective Clothing: Neoprene and other chemical resistant aprons, overshoes, oversleeves or other impervious clothing as necessary to minimize exposure.

Work Hygienic Practices: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking or using the toilet.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown liquid

Odor: Solvent odor

Odor threshold: n.a.

pH: 7.5-9.5

Melting point/freezing point: n.a.

Initial boiling point and boiling range: 160-366°C (320-690°F)

Flash point: 65°C (150°F)

Evaporation rate (Water=1): >1

Flammability limits: 0.5-7.5 %

Vapor pressure: 0.5mm Hg @21°C

Vapor density (Air = 1): ~4

Relative density: 1.01

Solubility: Emulsifies in water

Partition Coefficient: n-octanol/water: n.a.

Auto-ignition temperature: 257°C (494°F)

Decomposition temperature: n.a.

Viscosity: n.a.

Explosive properties: Not applicable

Oxidizing properties: Not applicable

n.a = not available

10. STABILITY AND REACTIVITY

Stability: Stable temperature. Releases toxic, corrosive, flammable or explosive gases.

Conditions to avoid : Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to heat.

Materials to avoid: Oxidizers, strong mineral acids, strong alkalis

Hazardous decomposition products: Thermal decomposition products: Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke).

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Acute dermal LD50 (rabbits): > 5 ml/kg Acute oral LD50 (rats): 9 ml/kg

Primary dermal irritation: extremely irritating (rabbits) Draize eye irritation: non-irritating (rabbits)

Guinea pig sensitization: negative

CHRONIC EFFECTS AND CARCINOGENICITY

Carcinogenic: OSHA: NO IARC: NO NTP: NO ACGIH: A3

Studies have shown that similar products produce skin tumors in laboratory animals following repeated applications without washing or removal. The significance of this finding to human exposure has not been determined. Other studies with active skin carcinogens have shown that washing the animal's skin with soap and water between applications reduced tumor formation.

MUTAGENICITY (genetic effects)

This material has been positive in a mutagenicity study.

12. ECOLOGICAL INFORMATION

Keep out of sewers, drainage areas, and waterways. Report spills and releases, as applicable, under Federal and State regulations.

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13. DISPOSAL CONSIDERATIONS

Waste from residues/ unused products: Dispose in accordance with all applicable regulations.

Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): U228.

Empty containers may retain residue. All containers should be disposed of in an environmentally safe manner, and in accordance with all governmental regulations.

Hazardous Waste Number(s): D040.

Dispose of in accordance with U.S. EPA 40 CFR 262 for concentrations at or above the Regulatory level. **Regulatory level-** 0.5 mg/L.

Component Waste Numbers: RCRA: Waste Number U228 0.5 mg/L regulatory level

14. TRANSPORT INFORMATION

UN Number: 1993

UN Proper Shipping Name: Flammable liquid, N.O.S. (Contains diesel fuel)

Transport Hazard Class(es): 3

Packing group: III

Environmental Hazards: Not a Marine Pollutant

ADR/RID Transport Information

ADR/RID Class: 3

ADR/RID Packing Group: III

IMDG Hazard Class: 3

IMDG Packing Group: III

ADNR Class: 3

ADNR Item: III

IATA Hazard Class: 3

IATA Packing Group: III

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

15. REGULATORY INFORMATION

Risk Phrases:

R10: Flammable

R36/37/38: Irritating to eyes, respiratory system and skin

TSCA: All ingredients are TSCA approved.

U.S. FEDERAL, STATE, and LOCAL REGULATORY INFORMATION

This product and its constituents listed herein are on the EPA TSCA Inventory. Any spill or uncontrolled release of this product, including any substantial threat of release, may be subject to federal, state and/or local reporting requirements. This product and/or its constituents may also be subject to other regulations at the state and/or local level. Consult those regulations applicable to your facility/operation.

CLEAN WATER ACT (OIL SPILLS)

Any spill or release of this product to "navigable waters" (essentially any surface water, including certain wetlands) or adjoining shorelines sufficient to cause a visible sheen or deposit of a sludge or emulsion must be reported immediately to the National Response Center (1-800-424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies as required.

CERCLA SECTION 103 and SARA SECTION 304 (RELEASE TO THE ENVIRONMENT)

The CERCLA definition of hazardous substances contains a "petroleum exclusion" clause which exempts crude oil, refined, and unrefined petroleum products and any indigenous components of

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such. However, other federal reporting requirements (e.g., SARA Section 304 as well as the Clean Water Act if the spill occurs on navigable waters) may still apply.

SARA SECTION 311/312 - HAZARD CLASSES

ACUTE Yes **HEALTH** Yes **CHRONIC HEALTH** Yes **FIRE SUDDEN RELEASE OF PRESSURE** No
REACTIVE No

SARA SECTION 313 - SUPPLIER NOTIFICATION

This product may contain listed chemicals below the *de minimis* levels which therefore are not subject to the supplier notification requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372. If you may be required to report releases of chemicals listed in 40 CFR 372.28, you may contact Hess Corporate Safety if you require additional information regarding this product.

CALIFORNIA PROPOSITION 65 LIST OF CHEMICALS

This product contains the following chemicals that are included on the Proposition 65 "List of Chemicals" required by the California Safe Drinking Water and Toxic Enforcement Act of 1986:

INGREDIENT NAME Diesel Engine Exhaust (no CAS Number listed) 10/01/1990

CANADIAN REGULATORY INFORMATION (WHMIS)

Class B, Division 3 (Combustible Liquid) and Class D, Division 2, Subdivision B (Toxic by other means)

16. ADDITIONAL INFORMATION

NFPA® HAZARD RATING

HEALTH: 0

FIRE: 2

REACTIVITY: 0

Refer to NFPA 704 "Identification of the Fire Hazards of Materials" for further information

HMIS® HAZARD RATING

HEALTH: 1

FIRE: 2

PHYSICAL: 0

This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement.