

MATERIAL SAFETY DATA SHEET



RECD MAY 27 1998

SECTION I - IDENTIFICATION

Manufacturer Circle The Wagons Products, Inc.
Address 4108 Highway 80 West, Jackson, MS 39209
Trade Name Heat-B-Gone™
Product Class A/B/D Fire Suppressing Agent

CHM00096
5946

Emergency Phone (601) 924-4178 **Date Prepared** January 12, 1998
Information Phone (601) 924-4178 **MSDS Control** HBG

SECTION II - INGREDIENTS AND HAZARD CLASSIFICATION

Ingredients (CAS) **Percent** **OSHA PEL/TLV**

Health and environmental testing shows very low hazard levels. No components of this product are believed to be hazardous, are listed in the NIOSH Recommendations for Occupational Safety and Health Standards, 1988, or are listed as hazardous by SARA, CERCLA, or RCRA. No OSHA PELs are established for any of the ingredients.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°F) 212°F **Vapor Pressure (mm Hg)** Same as water
Solubility in Water 100% **Specific Gravity** 1.09 @ 60°F **pH** 8
Appearance and Odor Aqua tint liquid, mild herbal smell. (Note: Contains no d-limonenes.)

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point Not applicable. **Flammable Limits** Not applicable.
LEL Not applicable. **UEL** Not applicable.
Extinguishing Media None.
Special Fire Fighting Procedures None.
Unusual Fire and Explosion Hazards None.

SECTION V - REACTIVITY DATA

Stability Stable. **Incompatibility** None.
Hazardous Decomposition Products Carbon monoxide and carbon dioxide.
Hazardous Polymerization Will not occur.

SECTION VI - HEALTH HAZARD DATA

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Exposure Limits

OSHA PEL Not established. ACGIH TEL Not established.

Routes of Entry

Inhalation Yes Skin Yes Ingestion Yes

Signs and Symptoms of Exposure

Skin Negligible hazard. Not a primary skin irritant. Liquid is neutral with pH 8. Dermal irritation testing for 72 hours on albino rabbits showed no erythema and no edema.

Eyes Hazard evaluated very low. Eye testing on albino rabbits in a 7 day test showed low levels of corneal irritation after 48 hours with full recovery by day 7, very low levels of iris irritation with complete recovery in 72 hours, moderate conjunctivae irritation after 24 hours with complete recovery by day 7, low to moderate lid swelling with complete recovery by day 7, and extremely low discharge with complete recovery in 72 hours.

Inhalation Hazard evaluated very low.

Ingestion Hazard is extremely low. Material is considered non-toxic. Nausea or diarrhea could occur in extreme cases. Screening tests on rats did not induce any mortality following oral administration at 5,000 mg/l. Oral LD₅₀ value is considered to be greater than 5,000 mg/l.

First Aid

Eyes Immediately flush eyes with large amounts of water for at least 15 minutes. Seek medical aid if irritation persists.

Skin Flush affected area and wash with mild soap and water.

Inhalation Remove to fresh air; give CPR if unconscious.

Ingestion Monitor. If diarrhea or nausea occurs, consult a physician.

Carcinogenicity

NTP? No. IARC? No. OSHA Regulated? No.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Spill or Leak Procedures

Collect with absorbent material or pick up mechanically. Rinse affected area with water.

Waste Disposal Method

Dispose as non-hazardous waste in accordance with local regulations.

Storage and Handling Precautions

Store at ambient temperature in closed container to prevent evaporation. May be stored at temperatures to -5°C without freezing. If frozen by lower temperatures, allow to thaw at room temperature: product will not be damaged.

Other Precautions

Although components have very low hazard levels, the product will remove oils from the skin similar to common soap.

SECTION VIII - CONTROL MEASURES

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Respiratory Protection

Not required.

Ventilation

Under ordinary conditions of use for its intended purpose, no special ventilation is required.

Protective Gloves

Wear if there is prolonged contact with skin. Gloves not required for incidental contact.

Eye Protection

Wear if needed to prevent reasonable probability of eye contact.

Work/Hygenic Practices

Observe standard general work practices regarding ingestion, eye contact, and inhalation. Wash after using if there is reasonable probability of contact. Do not wear for prolonged periods non-impervious clothing that becomes wet.

SECTION IX - ENVIRONMENTAL DATA

Aquatic Toxicity Testing

In accordance with U.S. EPA Office of Pollution Prevention and Toxics criteria for ranking the acute toxicity of chemicals in the aquatic environment, Heat-B-Gone™ is considered to be of low concern.

- 96 hour acute toxicity versus freshwater alga (*Selenastrum capricornutum*) IAW 40 CFR 797.1050 showed Heat-B-Gone™ is considered to be of low concern.

-96 hour acute toxicity versus juvenile rainbow trout (*Oncorhynchus mykiss*) IAW 49 CFR 797.1400 showed an LC₅₀ of 105 ppm.

-48 hour acute toxicity versus water fleas (*Daphnia pulex*) less than 24 hours old IAW 40 CFR 797.1300 showed an LC₅₀ of 159 ppm.

SECTION X - HAZARD CLASSIFICATION

IMO Hazard Class and Number Non-hazardous. **US DOT Hazard Class** Not regulated by DOT.

UN Number Not applicable. **US DOT Identification Number** Not applicable.

IMO Description (IMDG Code): This product is not a dangerous good as defined by IMO in the IMDG Code for water transportation.

Information presented in this MSDS is believed to be factual. However, nothing contained in this information is to be taken as a warranty of any kind by Circle The Wagons Products, Inc. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.
