



turtle wax, inc.
5655 West 73rd St.
Chicago, Illinois 60638-6211

Material Safety Data Sheet

EMERGENCY SPILL PHONE: 1(800)424-9300 (CHEMTREC) MSDS No: T-45/46/49(C)
EMERGENCY MEDICAL PHONE: 1(800)332-3073 (Rky Mtn Poison Ctr)
PRODUCT INFORMATION PHONE: 1(708)563-3600

NFPA Hazard Ratings: Health 1 ,Flammability 1 ,Reactivity 0 .
HMIS Hazard Ratings: Health 1 ,Flammability 1 ,Reactivity 0 ,Protection B .

Prepared By: Research and Development, Phone: 1(708)563-3600
Date Issued: March 6, 1997.

1 - MATERIAL IDENTIFICATION

PRODUCT NAME: FORMULA 2001 TIRE FOAM 'N' SHINE, T-45/46/49(C)

Chemical Family: Mixture: Water, silicone, additives

Material Use or Occurrence: Surface protector

Product Identification No.: None (Canada)

2 - IMPORTANT INGREDIENTS

CHEMICAL NAME (Synonyms)	CAS No.	PERCENT	PEL/TLV/TWA		CARCINOGEN (OSHA,NPT,IARC)
			OSHA	ACGIH	
Isobutane (Liquified Petroleum Gas)	75-28-5	6-9%	1000ppm	1000ppm	No
Propane (Liquified Petroleum Gas)	74-98-6	1-3%	1000ppm	1000ppm	No
Propylene Glycol t-Butyl Ether (Glycol Ether PTB)	57018-52-7	3-5%	n/av	n/av	No

3 - CHEMICAL AND PHYSICAL PROPERTIES

Boiling Point: n/av	Melting Point: n/av
Specific Gravity: 0.966	Vapor Pressure: 60 PSIG @ 70°F
Solubility In Water: Dispersable	Vapor Density (Air = 1): n/av
Evaporation Rate: n/av	% Non-volatile: 20.0%
Coefficient of Oil/Water Distribution: n/av	pH: 9.55
Appearance and Odor: Pale Yellow Opaque Viscous Liquid. Odor: Slight Ammonia	

4 - FIRE AND EXPLOSION DATA

Flash Point(Cl. Cup): Sprayed vapors can be ignited with a flame. Flame length 14-16 inches, with no flash back to nozzle by CPSC test 16CFR 1500.3(b)(6)(viii); rated not flammable.

Explosive Limits: Lower: n/av Upper: n/av

Extinguishing Media: Water Spray, Alcohol Foam, Carbon Dioxide, Dry Chemical

Special Fire Fighting Procedures and Hazards: Aerosol cans are under pressure, can explode when heated above about 140°F., and can become projectiles. Treat contents as flammable liquid/explosive vapor fire. Keep unignited containers cool with water. Vapors that are heavier than air, may collect in low areas, and may travel to distant source of ignition and flashback. Avoid flow of material into sewers. See Sec. 6 for personal protection.

5 - REACTIVITY INFORMATION

Stable: X Unstable: Precautions: None
Hazardous Polymerization Occurs: Does Not Occur: X
Incompatibility: Strong oxidizers such as peroxides.
Hazardous Decomposition Product: When burned: CO₂, CO, Hydrocarbons.

6 - HEALTH HAZARDS - PROTECTIVE MEASURES - FIRST AID

Inhalation:

Repeated or excessive inhalation of vapor, mist or spray can cause irritation, chemical pneumonia, dizziness, and nausea. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

No chronic effects known.

Use NIOSH approved respirator appropriate for concentration of vapor or mist. Provide good ventilation.

Remove to fresh air. Use artificial respiration and oxygen if needed.

Skin:

Can cause irritation with excessive or repeated contact. No chronic effects known.

Wear water resistant gloves as needed to reduce exposure.

Remove contaminated clothing. Rinse affected areas thoroughly with water.

Eyes:

Can cause irritation. No chronic effects known.

Wear slash proof goggles. Have convenient eye wash stations.

Flush with water for 15 minutes. Get prompt medical attention if effects persist.

Ingestion:

May cause digestive system upsets and/or nausea. No chronic effects known.

Avoid swallowing or sucking liquid into lungs. Wear face shield if face contact is likely.

Rinse mouth. Drink large amounts of water. Do not induce vomiting. If liquid is sucked into lungs, get prompt medical attention.

IN ALL CASES: GET PROMPT MEDICAL ATTENTION IF EFFECTS PERSIST.

KEEP OUT OF REACH OF CHILDREN.

Most likely routes of entry: Skin, Eyes

7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Spills and Leaks: Remove all ignition sources, and use spark proof equipment. Provide good ventilation. Take up spills with absorbent or by pumping and put into closed containers. Avoid flow to sewers. Floors may be slippery. See Section 6 for other protective measures.

Storage and Handling: Keep away from ignition or heat source. Store in cool and ventilated places, but avoid freezing.

Waste Disposal: In accordance with applicable local, state, and federal regulations.

Empty Containers: Do not cut or weld on empty containers before thoroughly cleaning. Rinse thoroughly before handling, reuse, or disposal.

8 - REGULATORY INFORMATION

DOT(HM-181) USA & Int'l:

For inner containers of less than 1 liter (33.8 ounces) each, less than 66 lb. total package weight, and not shipped by air:

Class and Label: ORM-D

Shipping description: None Required (May use "Consumer Commodity")

For inner containers of less than 1 liter each (33.8 ounces), over 66 lb. total package weight, or shipped by air:

Class And Label: 2.2 Non-flammable gas.

Shipping description: Aerosols, non-flammable (each not exceeding 1 L capacity), 2.2, UN1950.

SARA, Title III: Reportable for Section 313(Form R): None

TSCA INVENTORY: All ingredients are commercially available and presumed to be listed by manufacturer.

CALIFORNIA PROP. 65: No listed substances are known to be present.

NEW JERSEY LABEL INGREDIENTS: Water (CAS # 7732-18-5), Dimethylpolysiloxane (CAS # 63148-62-9), Isobutane (CAS # 75-28-5), Propane (CAS # 74-98-6), Propylene Glycol t-Butyl Ether (CAS # 57018-52-7).

CANADA EPA DSL INVENTORY: Consult Turtle Wax, Inc. regarding status of ingredients.

EEC SIXTH AMENDMENT INVENTORY: Consult Turtle Wax, Inc. regarding status of ingredients.