

**MATERIAL SAFETY DATA SHEET**

**EMERGENCY INFORMATION**

MEDICAL: 1-800-633-9576

TRANSPORTATION: 1-800-535-5053

**SECTION ONE**

**PRODUCT NAME: GARD TIRE INFLATOR**

**PRODUCT CODE: 75285**

ISSUE DATE: 5/18/2007

**SECTION TWO**

HAZARDOUS COMPONENTS	EXPOSURE LIMITS			%	CAS NO
	OSHA	ACGIH	OTHER		
Ethylene Glycol	50 ppm	100 ppm	50 ppm(1)	3-5	107-21-1
Isobutane	NE	NE	NA	20-25	75-28-5
Propane	1000 ppm	NE	NA	1-5	74-98-6

NOTE: NE=Not established, NA=Not applicable, (1)=California OSHA

**SECTION THREE - PHYSICAL DATA**

BOILING POINT: (<O°F) VAPOR PRESSURE (mmHg or psig @ 70F): 50 psig  
VAPOR DENSITY (AIR=1): Heavier than SPECIFIC GRAVITY (H<sub>2</sub>O=1): .95-1.05 (concentrate only)  
SOLUBILITY IN WATER % BY WT.: ~80 % VOC CONTENT % BY WT.: 26%  
EVAPORATION RATE (BUTYL ACETATE=1): Slower than  
APPEARANCE AND ODOR: White liquid with a faint ammonical odor

**SECTION FOUR - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: <O°F ESTIMATED FLAMMABLE LIMITS: UEL 15.3% LEL 1.9%  
EXTINGUISHING MEDIUM: Dry chemical, foam carbon dioxide  
SPECIAL FIREFIGHTING PROCEDURES: Shut off source to prevent spreading. Wear self-contained breathing apparatus when fighting fires. Shut off all sources of ignition. Keep exposed containers cool with water to prevent rupture.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Mixtures with air are highly flammable. Vapors are heavier than air and may travel long distances to ignition sources (open flames, glowing metal surfaces). Containers may rupture when exposed to extreme heat.

**SECTION FIVE - REACTIVITY DATA**

STABILITY: Stable, avoid open flames, high temperatures and direct sunlight.

INCOMPATIBILITY: Strong oxidizing materials

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides

HAZARDOUS POLYMERIZATION: Will not occur

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### SECTION SIX - HEALTH HAZARD DATA

#### EFFECTS OF OVEREXPOSURE

**EYE CONTACT:** May cause mild irritation. Direct contact with the liquid or exposure to vapors or mist may cause stinging, tearing and redness. Propellant may cause freeze burns.

**SKIN CONTACT:** Liquid may cause mild irritation (defatting, dermatitis). May cause frostbite if exposed to direct spray. Warm skin slowly if frostbitten.

**SKIN ABSORPTION:** Contact may result in skin absorption, but symptoms of toxicity are not anticipated by this route alone under normal conditions of use.

**INGESTION:** Not likely as an aerosol but, if swallowed, effects of overexposure may include irritation of the digestive tract, nausea, vomiting, diarrhea, abdominal pain, visual disturbances, nervous system depression, kidney damage, coma and convulsions.

**INHALATION:** Breathing of vapors or mists produced under certain conditions of use may cause irritation of the nose, throat and respiratory tract headache and drowsiness.

**SYSTEMIC AND OTHER EFFECTS:** Persons with pre-existing skin disorders may be more susceptible to the effects of this material. Diethylene Glycol, a component of ethylene glycol, has caused liver and kidney damage in long-term studies on laboratory animals. Ethylene Glycol may cause birth defects based on tests with laboratory animals.

#### EMERGENCY AND FIRST AID PROCEDURES

**EYE CONTACT:** Immediately flush eyes with plenty of water for 15 minutes, lifting both upper and lower eyelids. If irritation or redness develops seek medical attention.

**SKIN CONTACT:** Remove contaminated clothing. Wash skin with soap and water thoroughly. If irritation or redness develops and persists, seek medical attention.

**INHALATION:** If respiratory symptoms develop, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately. If irritation develops seek medical attention.

**INGESTION:** Ingestion is not likely but, if swallowed, seek immediate medical attention. Do not induce vomiting.

### SECTION SEVEN - ENVIRONMENTAL AND DISPOSAL INFORMATION

**ACTION TO TAKE FOR SPILLS/LEAKS:** Ventilate area, especially low places where heavy vapors might collect. Remove open flames. Comply with federal, state, and local regulations on reporting releases. Self-contained breathing apparatus (SCBA) is required if a large spill or release occurs.

**WASTE DISPOSAL METHOD:** Absorb on clay, vermiculite or other absorbent material and place into an approved D.O.T. container for disposal in accordance with local, state, and federal regulations.

### SECTION EIGHT - HANDLING AND STORAGE PRECAUTIONS

When product has been dispersed into a tire the user must ALERT the repairman that this tire contains a highly flammable gas. This product comes equipped with a peel-off warning sticker that must be placed on the tire after TIRE INFLATOR has been used. Avoid sparks and open flames, use extreme caution when venting gas. DO NOT weld on rim or use tire reamer until tire is removed from rim.

Store in tightly sealed containers. Store in a cool, dry, well ventilated area. Protect containers from physical damage. Keep away from heat, sparks and open flames. Do not get in eyes, on skin or clothing. Do not breathe vapor, mist, or gas. Do not store or transfer to an unmarked container. Do not throw empty containers in trash compactor. Do not reuse container. Do not store in direct sunlight. Store containers below 120°F. Wash thoroughly after using this product. Read label before using.

### SECTION NINE - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION (SPECIFY TYPE):** Supplied air or SCBA in case of release or fire.

**VENTILATION:** Local point exhaust sufficient.

**PROTECTIVE GLOVES:** Any non-permeable rubber gloves (latex or neoprene).

**EYE PROTECTION:** Chemical splash goggles or safety glasses with side shields.

**OTHER PROTECTIVE EQUIPMENT:** Non-permeable clothing to protect all skin from liquid contact.

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**SECTION TEN - REGULATORY INFORMATION**

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III:

CHEMICAL	CAS NUMBER	CONCENTRATION %
Ethylene Glycol	107-21-1	3-5

FEDERAL EPA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires the notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (rqs) in 40 cfr 302.4.

CHEMICAL	CAS NUMBER	CONCENTRATION % UPPER BOUND	RQs IN #S
Ethylene Glycol	107-21-1	3-5	5000

CALIFORNIA PROPOSITION 65 No

MASSACHUSETTS RIGHT TO KNOW: Yes

Ethylene Glycol	107-21-1	3-5
Isobutane	75-28-5	20-25
Propane	74-98-6	1-5

PENNSYLVANIA RIGHT TO KNOW: Yes

Ethylene Glycol	107-21-1	3-5
Isobutane	75-28-5	20-25
Propane	74-98-6	1-5

NEW JERSEY RIGHT TO KNOW: Yes

Ethylene Glycol	107-21-1	3-5
Isobutane	75-28-5	20-25
Propane	74-98-6	1-5

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS: All are listed

CALIFORNIA VOC'S: 26%

NFPA RATING AS AN AEROSOL: Level One

HMIS: Health 1 Reactivity 0 Flammability 1

CARCINOGENICITY	CHEMICAL	IARC	NTP	OSHA
None Listed				

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