

# HERRERO & SONS CORP.

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## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION

PRODUCT NAME: **Herrero Tire Inflator**

PRODUCT NUMBER: **29.012 (12 oz cone), 29.039 (15 oz hose)**

CAS NUMBER: Mixture See Section 3.

HMIS: Health 1 Reactivity 0 Flammability 2      INFOTRAC: 1-800-535-5053

PRODUCT FAMILY: Tire Sealant

NFPA RATING AS AN AEROSOL: Level One      Medical Emergency: 1-800-633-9576 (8AM-5PM central time)

### SECTION 2: HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW:

**DANGER: EXTREMELY FLAMMABLE AEROSOL. PRESSURIZED CONTAINER MAY BURST IF HEATED.**

#### Major Route(s) of Entry:



#### Signs and symptoms of Acute Exposure

**EYE CONTACT:** Mild Irritation

**SKIN CONTACT:** Mild Irritation

**SKIN ABSORPTION:** No toxic results are anticipated.

**INGESTION:** This product contains Ethylene Glycol, which can cause liver and kidney damage, even death.

**INHALATION:** Mild Irritation

#### CHRONIC HEALTH EFFECTS SUMMARY:

**CONDITIONS AGGRAVATED BY EXPOSURE:** 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.

**TARGET ORGANS:** Liver, Kidney

**CARCINOGENIC POTENTIAL:** None Known

#### OSHA Health Hazard Classification

Irritant NO      Toxic NO  
Sensitizer NO      Highly toxic NO  
Corrosive NO      Carcinogenic NO

#### OSHA Physical Hazard Classification

Combustible NO      Explosive NO      Pyrophoric NO  
Flammable YES      Oxidizer NO      Water-Reactive NO  
Compressed Gas YES      Organic Peroxide NO      Unstable NO

#### 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.

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**SECTION 3: COMPOSITION**

COMPONENT NAME(S) (%)	CAS NO	CONCENTRATION
Propane	74-98-6	5-10
Butane	106-97-8	5-10
Ethylene Glycol	107-21-1	3-5

**SECTION 4: FIRST AID MEASURES**

**Take proper precautions to ensure your own health and safety before attempting rescue or providing first aid. For more specific information, refer to Exposure Controls and Personal Protection in Section 8 of this MSDS.**

**IF SWALLOWED:** Immediately call a **POISON CENTER/doctor**. Do **NOT** induce vomiting. If spontaneous vomiting is about to occur, place victims head between their knees to prevent aspiration. Call a physician or transport to an emergency facility immediately.

**IF IN EYES:** Rinse cautiously with water for several minutes. Lift upper and lower eyelids to ensure proper rinsing. Get medical attention if irritation persists.

**IF ON SKIN:** Wash skin with soap and water. Remove contaminated clothing and launder it before reuse. Should any irritation persist, get medical attention.

**IF INHALED:** Increase fresh air circulation or leave area. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. Get immediate medical attention.

**SECTION 5: FIRE FIGHTING MEASURES**

**NFPA Flammability Classification: LEVEL ONE Aerosol**

**FLASH POINT:** Not Determined      **FLAMMABLE LIMITS: UEL** 15.3 %    **LEL** 1.9 %

**EXTINGUISHING MEDIUM:** AS APPROPRIATE FOR COMBUSTIBLES IN AREA.

**SPECIAL FIREFIGHTING PROCEDURES:** Wear self-contained breathing apparatus when fighting fires containing or around this product. Shut off all sources of ignition, if possible. Keep exposed containers cool with water spray to prevent rupture. Evacuate all non-trained personnel. Wear full protective clothing, including helmet. Ventilate area. Contain spill and dike, if possible. For leaks or spills water spray can be used to disperse any flammable vapors that may become concentrated or form in poorly ventilated areas and to protect personnel attempting to stop the leak.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Firefighters should wear SCBA's in a positive pressure mode with full face shield. Vapors are heavier than air and may travel long distances and accumulate in low areas or spread along ground from handling site. Eliminate all sources of ignition. Never use welding or cutting torch on or near this product because even just residue can ignite explosively.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Take proper precautions to ensure your own health and safety before attempting spill control or clean-up.**

Ventilate area-especially low places where heavy vapors might collect. Extinguish all ignition sources. For small spills/leaks mop, wipe, or soak up on an inorganic material immediately. Remove to vent hood or outside. For large spills/leaks evacuate area, contain spill (dike area), and transfer contained liquid to a DOT approved container for disposal. Keep out of water supply. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personnel protective equipment.

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### SECTION 7: HANDLING AND STORAGE

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 with a peel-off 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 a tire reamer until tire is completely removed from the rim.

Store in tightly sealed containers. Keep away from heat, sparks & open flame. 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 store in direct sun. Store containers below 120°F. Read label before using.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Control airborne concentrations below the exposure limits see below. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Lethal concentrations may exist in areas with poor ventilation.

**PERSONAL PROTECTIVE EQUIPEMNT:** Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations. Minimum requirements are: SAFETY GLASSES and GLOVES.

**RESPIRATORY PROTECTION (SPECIFY TYPE):** If workplace exposure limit(s) of product or any component is exceeded (see Section two), a NIOSH approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering or administrative controls should be implemented to reduce exposure.

**HAND PROTECTION:** For brief contact, no precautions should be needed. When prolonged or frequently repeated contact could occur, use protective gloves such as; polyvinyl alcohol or polyethylene.

**EYE PROTECTION:** Chemical splash goggles in compliance with OSHA regulations are advised; OSHA regulations also permit other type of safety glasses (consult your safety equipment supplier)

**BODY PROTECTION:** To prevent repeated or prolonged skin contact, use protective clothing impervious to this product. Selection of specific items such as gloves, boots, apron, or full body suit will depend on operation.

#### OCCUPATIONAL EXPOSURE GUIDELINES:

Substance	Applicable Workplace Exposure Levels	
	OSHA PEL	ACGIH
Propane	1000 ppm	NE
Butane	800 ppm	800 ppm
Ethylene Glycol	50 ppm	100 ppm

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid	COLOR: White	ODOR: Ammonical
SPECIFIC GRAVITY: 0.95-1.05 (Water =1)	pH: 9-12	VAPOR DENSITY (Air =1): Heavier Than
BOILING POINT RANGE: N/D	MELTING POINT /FREEZING POINT: N/D	
VAPOR PRESSURE (mmHg or psig @70°F): 50 psig		VISCOSITY (cps @ 70°F) N/D
SOLUBILITY IN WATER % BY WT.: Soluble		
VOLATILE ORGANIC COMPOUNDS (VOCs) Content: 20%		

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#### SECTION 10: STABILITY AND REACTIVITY

**STABILITY:** Stable, avoid open flames, welding arcs or other high temperature sources which induce thermal decomposition and direct sunlight.

**INCOMPATIBILITY:** Strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide, and carbon monoxide.

**HAZARDOUS POLYMERIZATION:** Will not occur

#### SECTION 11: TOXICOLOGICAL INFORMATION

No toxicological studies have been conducted on this product.

#### SECTION 12: ECOLOGICAL INFORMATION

No ecological studies have been conducted on this product.

**ECOTOXICITY:** If spilled this any water or soil contaminated may be hazardous to human, animal and aquatic life.

**ENVIRONMENTAL FATE:** The chemicals in this product are potentially toxic to freshwater and salt water ecosystems. They will normally float on water with their lighter components evaporating rapidly. In stagnant or slow-flowing waterways, a hydrocarbon layer can cover a large surface area. As a result this layer might limit or eliminate natural atmospheric oxygen transport into the water. Which with time could lead to a fish kill or an anaerobic environment.

#### SECTION 13: DISPOSAL CONSIDERATIONS

Hazard characteristics and regulatory waste stream classification can change with product use. It is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.

When disposing of unused contents, the preferred options are to send to licensed reclaimers or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local laws and regulations. Do not dump into sewers, on the ground, or into any body of water.

EPA Hazardous Waste Number (RCRA): D001 (Ignitable)

#### SECTION 14: TRANSPORT INFORMATION

**DOT STATUS:** This material is regulated by the U.S. Department of Transportation (DOT).

**PROPER SHIPPING NAME:** (to ship on the ocean):

UN1950, Aerosols, Flammable (each not exceeding 1L capacity), 2.1, LTD. QTY

**HAZARD CLASS:** 2.1

**PACKING GROUPS:** None for aerosols

**PLACARDS:** None Required

**EMERGENCY RESPONSE GUIDE NO:** 126

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**SECTION 15: REGULATORY INFORMATION**

**TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:** Listed

**311/312 HAZARD CATEGORIES:**

Fire Hazard: YES Pressure Hazard: YES Reactivity Hazard: NO Immediate Hazard: NO Delayed Hazard: NO

**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 #
Ethylene Glycol	107-21-1	3-5	5000

**CALIFORNIA PROPOSITION 65** None listed

**MASSACHUSETTS RIGHT TO KNOW:** Yes

Propane	74-98-6	5-10
Butane	106-97-8	5-10
Ethylene Glycol	107-21-1	3-5

**PENNSYLVANIA RIGHT TO KNOW:** Yes

Propane	74-98-6	5-10
Butane	106-97-8	5-10
Ethylene Glycol	107-21-1	3-5

**NEW JERSEY RIGHT TO KNOW:** Yes

Propane	74-98-6	5-10
Butane	106-97-8	5-10
Ethylene Glycol	107-21-1	3-5

**SECTION 16: OTHER INFORMATION**

**REVISION INFORMATION**

VERSION NUMBER:1.0001  
REVISION DATE: 5/20/2015  
PRINT DATE:

**ABBREVIATIONS:**

N/A: Not Applicable                      N/D: Not Determined                      NE: Not Established  
IARC: International Agency for Research on Cancer  
ACGIH: American Conference of Governmental Industrial Hygienists                      OSHA: Occupational Safety and Health Administration  
HMIS: Hazardous Materials Information System    NFPA: National Fire Protection Association                      EPA: US Environmental Protection Agency  
NIOSH: National institute of Occupational Safety and Health

**DISCLAIMER OF LIABILITY:**

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