

Cross Oil Material Safety Data Sheet

Cross Oil – Packaging Division

484 East 6th Street
Smackover, AR USA
71762

Emergency:

870-881-8700, Ext. 1163

Information:

870-881-8700

Fax:

870-864-8656

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SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: Tire Inflator
CAS Registry Number: Not applicable for mixtures
Synonyms: Gard Tire Inflator, Gard Tire Inflator with Hose
Item Number: -
Generic/Chemical Name: -
Product Type: -

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	%	ACGIH TWA	OSHA PEL	OSHA STEL	OTHER (1)
Ethylene Glycol	107-21-1	3-5	100 ppm	50 ppm	n/a	50 ppm
Isobutane	75-28-5	20-25	NE	NE	n/a	n/a
Propane	74-98-6	1-5	NE	1000 ppm	n/a	n/a

ABBREVIATIONS:

NE: None Established NA: Not Applicable (1): California OSHA

SECTION 3 HAZARDS IDENTIFICATION

WARNING: Not applicable

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

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.

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.

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.

SECTION 4 FIRST AID MEASURES

TIRE INFLATOR

Page 1 of 6

484 E. 6TH STREET • SMACKOVER, AR 71762 • PHONE 870-881-8700 • FAX 870-864-8656

Cross Oil Material Safety Data Sheet

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 5 FIRE FIGHTING MEASURES

Flash Point:	Min. -17.8°C (<0°F) by Cleveland Closed Cup, ASTM D 92
Upper Flammable Limit:	15.3%
Lower Flammable Limit:	1.9%
Extinguishing Media:	Use dry chemical foam, foam carbon dioxide
Special Fire Fighting 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.
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.
By-products of Combustion:	Not determined
Auto-ignition Temperature:	Not determined
Explosion Data:	Not determined. Care should always be exercised in dust/mist areas.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill Procedures (Land):	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.
Spill Procedures (Water):	Remove from surface by skimming or with suitable adsorbents. If a large spill occurs notify appropriate authorities.
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.
Regulatory Information:	Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, from the container, the user should determine if release is reportable.

SECTION 7 HANDLING AND STORAGE

TIRE INFLATOR

Page 2 of 6

484 E. 6TH STREET • SMACKOVER, AR 71762 • PHONE 870-881-8700 • FAX 870-864-8656

Cross Oil Material Safety Data Sheet

Handling Procedures: 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.

Storage Procedures: 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.

Additional Information: No additional information.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: Supplied air or SCBA in case of release or fire.
Eye Protection: Chemical splash goggles or safety glasses with side shields.
Hand Protection: Any lined non-permeable rubber gloves like buna or nitrile.
Other Protection: Non-permeable clothing to protect all skin from liquid contact.
Local Control Measures: Use with appropriate local exhaust ventilation.
Other: Non-permeable clothing to protect all skin from liquid contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: 50 psig (Standard Temperature and Pressure, 25°C at 1 ATM)

Gravity by ASTM D 1298:

API Gravity	n/a	
Specific Gravity @ 15.6°C	1.000	concentrate
Density @ 15.6°C	n/a	

Solubility ~ 80% wt in water

Percent Volatile: 26% wt

Vapor Density, Air = 1: Heavier than

**Evaporation Rate,
n-Butyl Acetate = 1:** Slower than

Odor: Faint ammonical odor

Appearance: White liquid

Viscosity by ASTM D 445:

cSt at 40°C (104°F)	n/a
cSt at 100°C (212°F)	n/a

Boiling Point: < -18°C (< 0°F).

Pour Point (°C):

Cross Oil Material Safety Data Sheet

by ASTM D 97

n/a

Molecular Weight: Not determined.

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable, avoid open flames and high temperature and direct sunlight.

Conditions To Avoid: Avoid high temperatures and product contamination.

Incompatibility With Other Materials: Strong oxidizers materials.

Decomposition Products: Carbon oxides.

Hazardous Polymerization: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Oral Toxicity: No data available.

Dermal Toxicity: No data available.

Inhalation Toxicity: No data available.

Dermal Sensitization: Prolonged or repeated contact may make skin more sensitive to other skin sensitizers. Based on data from similar materials.

Chronic Toxicity: No data available.

Carcinogenicity: No data available.

Mutagenicity: No data available.

Reproductive Toxicity: No data available.

Teratogenicity: No data available.

Other: No data available.

SECTION 12 ECOLOGICAL INFORMATION

Environmental Toxicity: This material may be toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water.

Environmental Fate: No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal: Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.

Disposal Consideration: Place used, contaminated, or excess material into disposable containers and dispose of in a manner consistent with local and state regulations. Contact local environmental or health authorities for approved disposal of this material. Most used oil is reclaimed or incinerated.

SECTION 14 TRANSPORT INFORMATION

U.S. DOT Information

Bulk Shipping Description: Does not apply to bulk shipping.

TIRE INFLATOR

Page 4 of 6

484 E. 6TH STREET • SMACKOVER, AR 71762 • PHONE 870-881-8700 • FAX 870-864-8656

Cross Oil Material Safety Data Sheet

Non-Bulk Shipping Description: Does not apply to non-bulk shipping.

Identification Number: Not applicable.

Hazard Classification: Not applicable.

Other: See 49 CFR for additional requirements for descriptions, allowed modes of transport, and packaging. For more information concerning spills during transport, consult latest DOT Emergency Response Guidebook for Hazardous Materials Incidents, DOT P 5800.3.

SECTION 15 REGULATORY INFORMATION

Clean Water Act/Oil Pollution Act: Under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Control Act of 1990, this material is considered an oil. Any spills or discharges that produce a visible sheen or film on surface of water, or in waterways, ditches, or sewers leading to surface water must be reported. Contact the National Response Center at 800-424-8802.

TSCA: All components of this material are listed in the U.S. TSCA Inventory.

Other TSCA: Not applicable.

SARA Title III:

Section 302/304	Extremely Hazardous Substances:	None
Section 311/312	<u>Hazard Categorization:</u>	
	Acute (immediate health effects):	No
	Chronic (delayed health effects):	No
	Fire (hazard):	No
	Reactivity (hazard):	No
	Pressure (sudden release hazard):	No

Section 313 Toxic Chemicals: No

CERCLA:

For stationary sources - reportable quantity:	Not determined.
Due to:	Not applicable.
For moving sources - reportable quantity:	Not determined.
Due to:	Not applicable.

Recommend contacting the local authorities in the event of any type of spill to determine local reporting requirements and also to aid in the cleanup.

California Prop. 65: No

Massachusetts Right To Know Yes Ethylene Glycol
Isobutane
Propane

Pennsylvania Right To Know Yes Ethylene Glycol
Isobutane
Propane

New Jersey Right To Know Yes Ethylene Glycol
Isobutane
Propane

Note: Refer to Section 1 for Composition concentration and CAS numbers.

SECTION 16 OTHER INFORMATION

	NFPA 704	NPCA-HMIS	KEY
HEALTH:	1	1	0 = Minimal
FIRE:	1	1	1 = Slight
REACTIVITY:	0	0	2 = Moderate

TIRE INFLATOR

Page 5 of 6

Cross Oil Material Safety Data Sheet

SPECIFIC HAZARD:	NONE	N/A	3 = Serious
PROTECTION INDEX:	N/A	B	4 = Severe

Precautionary Labels: NONE REQUIRED

This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, Cross Packaging must rely upon information provided by the material manufacturers or distributors.

Prepared by: David Collins
File: Tire Inflator

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