

1 Identification**1.1 Product identifier:**

Product name: Tire Inflator & Sealer
Additional identification: Product # 12071, 12073, 12074, 12175
Identification of the product: See section 3

1.2 Relevant identified uses of the chemical and uses advised against:

Identified uses: Temporary Tire Repair
Uses advised against: Not available.

1.3 Product supplier:

Distributor: Highline Warren LLC
Address: 4500 Malone Road
Memphis, TN 38118

Contact: 901-437-8615

1.4 Emergency phone Number: CHEMTREC 800 824-9300

Available 24 hours?

YES



NO

**2 Hazard(s) identification****2.1 Classification of the substance or mixture****2.1.1 GHS Classification:**

GHS	
Hazard classes/Hazard categories	Hazard statement
Gases under pressure, dissolved gas	Contains gas under pressure; may explode if heated.
Skin Sensitization, category 1	May cause an allergic skin reaction.

2.2 Label elements:**Hazard Pictograms:**

Signal Word(S): Warning

Hazard Statement: Contains gas under pressure; may explode if heated.
May cause an allergic skin reaction.

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Precautionary Statement: Avoid breathing dust/fume/gas/mist/vapors/spray.
Wear protective gloves.
Contaminated work clothing should not be allowed out of the workplace.
Protect from sunlight. Store in a well-ventilated place.

2.3 Other hazards:

Not applicable.

3 Composition/information on ingredients

Substance/Mixture: Mixture

Ingredient(s):

Substance Name	CAS#	EC#	Concentration
Water	7732-18-5	231-791-2	40% ~ 60%
Norflurane	811-97-2	212-377-0	20% ~ 40%
Ethylene Glycol	107-21-1	203-473-3	1% ~ 5%
Polyvinylacetate Latex	9003-20-7	618-358-7	1% ~ 5%
Sodium Benzoate	532-32-1	208-534-8	0.01% ~ 1%
Ammonium Hydroxide	1336-21-6	215-647-6	0.01% ~ 1%

Note: The specific chemical identity and percentage of composition is being withheld as a trade secret.
Information contained in the safety data sheet concerning the properties and effects of the hazardous chemical.
The trade secret is claimed in accordance with paragraph (i) of §1910.1200.

4 First-aid measures

4.1 Description of first aid measures:

4.1.1 In case of inhalation:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

4.1.2 In case of skin contact:

Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists, seek medical attention.

4.1.3 In case of eyes contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

4.1.4 In case of ingestion:

If swallowed, call a physician immediately. Never give anything by mouth to an unconscious person.

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4.2 Most important symptoms/effects, both acute and delayed

Confusion, cough, headache.

4.3 Indication of any immediate medical attention and special treatment needed

Not available.

5 Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Use water fog, carbon dioxide, foam or dry chemical.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

Decomposition products may include the following materials: carbon monoxide, carbon dioxide, halogen, halogenated acid, carboxyl haloid.

5.3 Advice for fire-fighters:

Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Cut off the fire. Keep unnecessary and unprotected personnel from entering. Provide adequate ventilation. Put on appropriate personal protective equipment. Possible cut off leakage source.

6.2 Environmental precautions:

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Do not allow material to be released to the environment without proper governmental permits.

6.3 Methods for containment and cleaning up:

If leakage scale is small, possible collect leakage into container; absorb the residual liquid with sand, activated carbon or other inert material; Wash the leakage with nonflammable dispersant, pour the waste liquid into waste water system. Large scale of leakage, call for help from fire bridge, emergency handling units and supplier. Dispose of contaminated material as waste according to section 13.

6.4 Reference to other sections:

Refer to section 8 of the SDS.

6.5 Additional information:

Not available.

7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Good hygienic practices should be observed. Avoid contact with skin and eyes. Avoid breathing mist; if exposed to high mist concentration, leave area immediately. Work clothes should be washed separately at the end of each work day. Since empty containers contain product residue, follow all hazard warnings and precautions even after container is emptied. Keep away from sources of ignition. Ensure good ventilation/exhaustion at the workplace. Normal measures for preventive fire protection.

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7.1.2 Advice on general occupational hygiene:

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Store in closed containers in a cool, dry, well-ventilated area. Store away from heat source, fire source, and incompatible materials. Avoid exposure to direct sunlight. Storage and use areas should be No Smoking areas. Use non-sparking type tools and equipment, including explosion proof ventilation. Store in compatible container. Don't spout when subpackage. Don't let polluted liquid back to original container. Observe all warnings and precautions listed for the product.

7.3 Specific end use(s):

Not available.

8 Exposure control/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: (source: CDC)

substance withhold (trade secret) :

NIOSH REL: 100 ppm (560 mg/m³) TWA

Current OSHA PEL: 100 ppm (560 mg/m³) TWA

1989 OSHA PEL: Same as current PEL

1993-1994 ACGIH TLV: 100 ppm (556 mg/m³) TWA

Ethylene Glycol (CAS# 107-21-1):

TLV: 100 mg/m (Ceiling value); A4 (not classifiable as a human carcinogen); (ACGIH 2004)

MAK: 10 ppm, 26 mg/m

substance withhold (trade secret) :

TLV: 5 mg/m as TWA; (ACGIH 2003)

MAK: 5 mg/m (Inhalable fraction)

Ammonium Hydroxide (CAS# 1336-21-6):

TLV: (as NH₃) 25 ppm as TWA; 40 ppm as STEL; (ACGIH 2004)

MAK: 20 ppm, 14 mg/m

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Adequate ventilation should be provided to keep dust concentrations below acceptable exposure limits. Discharge from the ventilation system should comply with the applicable air pollution control regulations.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear safety glasses or goggles to protect against exposure.

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Hand protection: Wear appropriate protective clothing to prevent skin exposure. Use gloves as a standard industrial handling procedure. Appropriate chemical resistant antisepticise and acid and base resistant rubber gloves should be worn. Dependent upon degree of potential exposure, additional personal protective equipment may be required, such as chemical boots and full protective clothing.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

8.2.3 Environmental exposure controls:

Avoid discharge into the environment.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Colour:	Milky white
Odour:	A slight pungent taste
Odour threshold:	No data available
pH:	7~8
Melting point/range :	No data available
Boiling point/range (°C) :	100°C
Flash point (°C) :	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Ignition temperature (°C) :	No data available
Upper/lower flammability/explosive limits:	No data available
Vapour pressure(kPa, 20°C):	500~600
Vapour density:	No data available
Relative Density (20°C):	1.02 g/cm ³
Water solubility (g/l) at 20°C :	Soluble
n-Octanol/Water (log Po/w) :	-0.52
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available

9.2 Physical hazards:

Not available.

9.3 Other information:

Fat solubility(solvent– oil to be specified) etc	Not available
Bulk Density:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available
VOC(%):	5%

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10 Stability and reactivity

10.1 Reactivity:

Stable under recommended transport or storage conditions.

10.2 Chemical stability:

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions:

No dangerous reactions known.

10.4 Conditions to avoid:

High temperature or incompatible materials.

10.5 Incompatible materials:

Oxidizing agents, chemical active metal, strong acid and strong base.

10.6 Hazardous decomposition products:

Carbon monoxide, carbon dioxide, halogen, halogenated acid, carboxyl haloid.

11 Toxicological information

11.1 Toxicokinetics, metabolism and distribution

Not available.

11.2 Information on toxicological effects

Acute toxicity:

substance withhold (trade secret) : (source: CDC)

Lethal concentration data:

Species	LC50(mg/m3)	LCLo	Time	Adjusted 0.5-hr LC (CF)	Derived value
Mouse	29,000	-----	2 hr	8,212 ppm (1.6)	821 ppm
Rat	12,000	-----	6 hr	4,885 ppm (2.3)	489 ppm

Lethal dose data:

Species	Route	LD50 (mg/kg)	LDLo (mg/kg)	Adjusted LD	Derived value
Rat	oral	5,760	-----	7,136 ppm	714 ppm

Skin corrosion/Irritation: No data available.

Serious eye damage/irritation: No data available.

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

STOT- single exposure: No data available.

STOT-repeated exposure: No data available.

Aspiration hazard: No data available.

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12 Ecological information

Toxicity:

<i>Acute toxicity</i>		<i>Time</i>	<i>Species</i>	<i>Method</i>	<i>Evaluation</i>	<i>Remarks</i>
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

13 Disposal considerations

13.1 Waste treatment methods

Contact a licensed professional waste disposal service. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Contaminated packing must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner.

13.2 Product / Packaging disposal

Return for reuse or dispose according to national or local regulations.

14. Transport information

	<i>Department of Transportation (DOT)</i>	<i>Sea transport (IMDG)</i>	<i>Air transport (ICAO/IATA)</i>
<i>UN-Number:</i>	1950	1950	1950
<i>UN Proper shipping name:</i>	Aerosols, non-flammable (each not exceeding 1 L capacity)	Aerosols, non-flammable (each not exceeding 1 L capacity)	Aerosols, non-flammable (each not exceeding 1 L capacity)
<i>Transport hazard Class:</i>	2.2	2.2	2.2
<i>Packaging group:</i>	Not regulated	Not regulated	Not regulated
<i>Environmental hazards:</i>	No	No	No
<i>Special precautions for user:</i>	See section 2.2	See section 2.2	See section 2.2
<i>Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)</i>	Not regulated	Not regulated	Not regulated

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15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Toxic Substances Control Act (TSCA) Inventory

All chemicals in this material are listed.

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

California Proposition 65 substances?

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

CERCLA Hazardous Substances? None.

Hazardous Air Pollutants? None.

Heavy Metals (as As, Cd, Cr6+, Hg, Pb)? None.

Azo-containing compounds (e.g., Azo dyes/pigments)? None.

Organotin Compounds? None.

Materials of animal origin? None.

Materials of plant origin (Food Allergy concerns)? None.

Chemical Weapons Convention Scheduled chemicals? None.

Drug Precursors (as specified by DEA and/or Health Canada) ? None.

Biocides? None.

Pesticide, controlled by FIFRA? None.

Polybrominated biphenyls (PBBs) or ethers (PBDEs)? None.

Halogenated Materials? None.

Phthalates? None.

Natural Rubber Latex or Silicone Oils? Yes.

16 Other information

16.1 Indication of changes:

Revised in accordance with Hazard Communication Standard (29 CFR 1910.1200).

16.2 Training instructions:

Not applicable.

16.3 Legal Disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above product.

- End -