

# Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 09/26/2016


Revision: 09/26/2016

## 1 Identification

- **Product identifier**
- **Trade name:** FIX-A-FLAT STANDARD TIRE SEALANT, 435G (ZE)
- **Product code:** 29225
- **Recommended use and restriction on use**
- **Recommended use:** Tire maintenance.
- **Restrictions on use:** Contact manufacturer
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
ITW Global Tire Repair, Inc.  
125 Venture Drive, Suite 210, San Luis Obispo, CA 93401 Tel (805)  
489-0490
- **Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924, +1 (813)248-0585




## 2 Hazard(s) identification

- **Classification of the substance or mixture**  
Press. Gas H280 Contains gas under pressure; may explode if heated.
- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**  
  
GHS04
- **Signal word:** Warning
- **Hazard statements:**  
H280 Contains gas under pressure; may explode if heated.
- **Precautionary statements:**  
P410+P403 Protect from sunlight. Store in a well-ventilated place.
- **Other hazards** There are no other hazards not otherwise classified that have been identified.

## 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures

- **Components:**

|            |                                    |   |        |
|------------|------------------------------------|---|--------|
| 29118-24-9 | (1E)-1,3,3,3-Tetrafluoro-1-propene |  Press. Gas, H280<br>Simple Asphyxiant | 20-40% |
| 56-81-5    | glycerol                           |   | 1-5%   |
| 9004-34-6  | Cellulose                          |   | 0.1-1% |

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**· Additional information:**

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.  
For the wording of the listed Hazard Statements refer to section 16.

## 4 First-aid measures

**· Description of first aid measures****· After inhalation:** Supply fresh air; consult doctor in case of complaints.**· After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

**· After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**· After swallowing:**

Unlikely route of exposure.

Do not induce vomiting; immediately call for medical help.

**· Most important symptoms and effects, both acute and delayed:** No relevant information available.**· Indication of any immediate medical attention and special treatment needed:**

No relevant information available.

## 5 Fire-fighting measures

**· Extinguishing media****· Suitable extinguishing agents:** Use fire fighting measures that suit the environment.**· For safety reasons unsuitable extinguishing agents:** None.**· Special hazards arising from the substance or mixture**

Danger of receptacles bursting because of high vapor pressure if heated.

**· Advice for firefighters****· Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**· Additional information:** Cool endangered containers with water fog.

## 6 Accidental release measures

**· Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

For large spills, wear protective clothing.

**· Environmental precautions:** No special measures required.**· Methods and material for containment and cleaning up:**

Allow to solidify. Pick up mechanically.

Send for recovery or disposal in suitable receptacles.

**· Reference to other sections:**

See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- **Handling**
- **Precautions for safe handling:** Use only in well ventilated areas.
- **Information about protection against explosions and fires:**  
Danger of receptacles bursting because of high vapor pressure if heated.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**  
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
- **Specific end use(s):** No relevant information available.

## 8 Exposure controls/personal protection

### · Control parameters

#### · Components with limit values that require monitoring at the workplace:

##### 56-81-5 glycerol

|               |   |
|---------------|---|
| PEL (USA)     | Long-term value: 15* 5** mg/m <sup>3</sup><br>mist; *total dust **respirable fraction |
| TLV (USA)     | TLV withdrawn-insufficient data human occup. exp.                                     |
| EL (Canada)   | Long-term value: 10* 3** mg/m <sup>3</sup><br>*mist; **mist, respirable               |
| EV (Canada)   | Long-term value: 10 mg/m <sup>3</sup>   |
| LMPE (Mexico) | Long-term value: 10 mg/m <sup>3</sup>   |

##### 9004-34-6 Cellulose

|               |  |
|---------------|--|
| PEL (USA)     | Long-term value: 15* 5** mg/m <sup>3</sup><br>*total dust **respirable fraction  |
| REL (USA)     | Long-term value: 10* 5** mg/m <sup>3</sup><br>*total dust **respirable fraction  |
| TLV (USA)     | Long-term value: 10 mg/m <sup>3</sup>  |
| EL (Canada)   | Long-term value: 10* 3** mg/m <sup>3</sup><br>*total dust, **respirable fraction |
| EV (Canada)   | Long-term value: 10 mg/m <sup>3</sup><br>paper fibre, total dust                 |
| LMPE (Mexico) | Long-term value: 10 mg/m <sup>3</sup>  |

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- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.
- **Engineering controls:** No relevant information available.
- **Breathing equipment:** Not required under normal conditions of use.
- **Protection of hands:** Gloves not required under normal conditions of use.
- **Eye protection:**



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

- **Body protection:** Not required under normal conditions of use.
- **Limitation and supervision of exposure into the environment**  
No relevant information available.

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

- **Appearance:**
  - Form: Aerosol
  - Color: According to product specification
- **Odor:** Characteristic
- **Odor threshold:** Not determined.
- **pH-value:** Not determined.
- **Melting point/Melting range:** Not applicable, as aerosol.
- **Boiling point/Boiling range:** 100 °C (212 °F) (App.)
- **Flash point:** Not applicable, as aerosol.
- **Flammability (solid, gaseous):** Not applicable.
- **Auto-ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Danger of explosion:** Not determined.
- **Explosion limits**
  - Lower: Not determined.
  - Upper: Not determined.
- **Oxidizing properties:** Not determined.
- **Vapor pressure at 20 °C (68 °F):** 23 hPa (17 mm Hg)
- **Density:**
  - Relative density: Not determined.

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**Vapor density:** Not determined.

**Evaporation rate:** Not applicable.

· **Solubility in / Miscibility with Water:** Partly miscible.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity**

**Dynamic:** Not determined.

**Kinematic:** Not determined.

· **Other information** No relevant information available.

## 10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**  
Danger of receptacles bursting because of high vapor pressure if heated.
- **Possibility of hazardous reactions:**  
Toxic fumes may be released if heated above the decomposition point.
- **Conditions to avoid:** No relevant information available.
- **Incompatible materials:** No relevant information available.
- **Hazardous decomposition products:**

Under fire conditions only:

Carbon monoxide and carbon dioxide

Danger of toxic fluorine based pyrolysis products.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:** Based on available data, the classification criteria are not met.
- **On the eye:** Based on available data, the classification criteria are not met.
- **Sensitization:** Based on available data, the classification criteria are not met.

· **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

· **NTP (National Toxicology Program):**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

· **Probable route(s) of exposure:**

Inhalation.

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Eye contact.

Skin contact.

- **Acute effects (acute toxicity, irritation and corrosivity):** None.
- **Repeated dose toxicity:** None.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity** No relevant information available.
- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Additional ecological information**
- **General notes:** Not known to be hazardous to water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Contact waste processors for recycling information.  
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG, IATA** UN1950

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· **UN proper shipping name**

· DOT, IATA

Aerosols

· ADR, IMDG

AEROSOLS

· **Transport hazard class(es)**

· DOT



· Class

2 Gases

· Label

2.2

· ADR



· Class

2 5A Gases

· Label

2.2

· IMDG, IATA



· Class

2 Gases

· Label

2.2

· **Packing group**

Aerosols are not assigned a packing group.

· **Environmental hazards**

· Marine pollutant:

No

· **Special precautions for user**

Warning: Gases

· Danger code (Kemler):

20

· EMS Number:

F-D,S-U

· **Transport in bulk according to Annex II of**

**MARPOL73/78 and the IBC Code**

Not applicable.

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## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

· **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

· **Canadian Domestic Substances List (DSL):**

All ingredients are listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** 09/26/2016 / -

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· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
OSHA: Occupational Safety & Health  
LDLo: Lowest Lethal Dose Observed  
Press. Gas: Gases under pressure – Compressed gas  
Press. Gas: Gases under pressure – Liquefied gas

· **Sources**

Website, European Chemicals Agency (echa.europa.eu)  
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)  
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)  
Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: ISBN: 978-0-470-07488-6  
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.  
Safety Data Sheets, Individual Manufacturers

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