

**PROTRAX FUEL CELL**
FOR AFGN50 PROTRAX NAILER**SECTION 1: IDENTIFICATION****1.1 PRODUCT IDENTIFIER**

Trade Name:	ProTrax Fuel Cell	Uses advised against:	Any that differs from the recommended uses
Product Code:	1GNF	Revision Date:	12/2014
Supplier:	Allfasteners USA, LLC.	Supercedes:	NEW
Recommended Use:	Combustion.		

1.2 SUPPLIERS DETAILS

Company Name: Allfasteners USA LLC
480 Meadow Lane
Carlstadt, NJ 07072
United States

Telephone: 201.783.8836

Fax: 201.783.8840

Email: salesny@allfasteners.com

1.3 EMERGENCY PHONE NUMBER

Emergency Telephone: 1.800.577.3171

SECTION 2: HAZARDOUS IDENTIFICATION**2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

The mixture is classified as following according to 1999/45/EC and REGULATION (EC) No 1272/2008

REGULATION (EC) No 1272/2008

Hazard classes/Hazard categories	Hazard statement codes
Press. Gas	H280
Flam. Gas	H220

For full text of H- phrases: see section 2.2

1999/45/EC

Hazards characteristics	R-Phrases
F+	R12

For full text of R- phrases: see section 16

**PROTRAX FUEL CELL**
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GHS Hazard Pictograms:



GHS02



GHS04

Signal Word: Danger.**Hazard Statements:** Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.**Precautionary statements** Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
Eliminate all ignition sources if safe to do so.
Protect from sunlight. Store in a well-ventilated place.**SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS****3.1 HAZARDOUS SUBSTANCES****Substance/Mixture:** Mixtures**Ingredients:** This product is a mixture of the substance listed below with nonhazardous additions.

CHEMICAL NAME	PRE-REGISTRATION No.	CAS No.	EC No.	CONCENTRATION
Propane	05-2114131914-52-0000	115-07-1	204-062-1	40-60%
Butane	05-2114131909-43-0000	106-97-8	203-448-7	0-15%
Isobutane	05-2118669741-32-0000	75-28-5	200-857-2	15-60%
Propane	05-2114131905-51-0000	74-98-6	200-827-9	0-15%

SECTION 4: FIRST AID MEASURES**4.1 DESCRIPTION OF FIRST AID MEASURES****After inhalation:** If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. See immediate medical attention.**After skin contact:** Treat burned or frostbitten skin by flushing or immersing the affected area(s) in lukewarm water. Keep skin warm, dry, and clean. If blistering occurs, apply sterile dressing. Seek immediate medical attention.**After Eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.**After swallowing:** This material is a gas under normal atmospheric conditions and ingestion is unlikely.**Most important symptoms and effects:** This product is not classified as harmful to human health effect.**Indication of any immediate medical attention needed:** If skin irritation or rash occurs, get medical advice/attention

**PROTRAX FUEL CELL**
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- Extinguishing Agents:** Dry chemical or carbon dioxide is recommended. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.
- Special hazards:** This material is flammable and can be ignited by heat, sparks, flames, or other sources of ignition. Vapors may travel considerable distances to a source of ignition where they can ignite, flash back, or explode. May create vapor/air explosion hazard indoors, in confined spaces, outdoors, or in sewers. If container exposed to extreme heat can rupture due to pressure buildup.
- Protective equipment for firefighters:** If necessary, equipped with isolated style protective mask and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES**

- For non-emergency personnel:** Use personal protective equipment. Ensure adequate ventilation. If insufficient ventilation, wear suitable respiratory equipment. Avoid inhalation of vapor.
- For emergency responders:** Wear an appropriate NIOSH/MSHA approved respirator if vapor is generated

6.2 ENVIRONMENTAL PRECAUTIONS

Do not discharge into sewage/drainage systems

6.3 METHODS FOR CONTAINMENT AND CLEANING UP

Stay upwind and away from spill/release. Notify persons down wind of the spill/release, isolate danger area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Wear appropriate protective equipment. Water spray may be useful in minimizing or dispersing vapors.

SECTION 7: HANDLING AND STORAGE**7.1 HANDLING AND STORAGE**

- Protective measures:** Practice good housekeeping. Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not ingest. Use with adequate ventilation. Wash thoroughly after handling.
- Advice on general occupational hygiene:** Do not eat, drink, and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.
- Conditions for safe storage:** Store in cool, dry, well-ventilated area away from heavily trafficked areas and emergency exits. Do not allow the temperature where cylinders are stored to exceed 30°C. Cylinders should be stored upright and firmly secured to prevent falling or being knocked over. Full and empty cylinders should be segregated.

**PROTRAX FUEL CELL**
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Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Provide safety shower and ceaning eyes equipment.

8.2 PERSONAL PROTECTION

Respiratory protection: In case of brief exposure or low pollution, use respiratory filter device. In case of intensive or longer exposure, use self-contained respiratory protective device.

Body protection: Protective clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

Hand protection: Wear safety gloves to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

Eye protection: Wear safety goggles

Thermal hazards: Wear suitable protective clothing to prevent heat.

8.3 ENVIRONMENTAL EXPOSURE CONTROLS

Avoid discharge into the environment. According to local regulations, Federal and offical regulations

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Gaseous	Color:	Colorless
Odor:	Odorless	Upper Explosion Limit:	Not determined
Odor threshold:	Not determined	Vapor pressure (25°C):	17.8bar/50°C
pH-value:	Not determined	Relative Density:	Not determined
Melting point/Melting range:	Not determined	Vapor density:	Not determined
Boiling point:	Not determined	Flammability (solid, gas):	Not determined
Flash point:	Not determined	Flammability limit - lower (%):	Not determined
Bulk density (kg/m):	Not determined	Water solubility (g/l)::	Slightly soluble
Explosive properties:	Not determined	Molecular formula:	Not determined
Oxidising properties:	Not determined	Molecular weight	Not determined
Auto-ignition temperature:	Not determined	n-Octanol/Water (log Po/w):	Not determined
Decomposition temperature:	Not determined	Viscosity, dynamic (mPa.s):	Not determined
Surface tension:	Not determined	Oxidation-reduction potential:	Not determined
Fat solubility:	Slightly soluble in alcohol	Dissociation constant in water(pKa):	Not determined

**PROTRAX FUEL CELL**
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- Reactivity:** Stable at normal temperatures
- Conditions to avoid:** Incompatible materials. Avoid high temperatures. Avoid all possible sources of ignition.
- Chemical stability:** Stable at room temperature in closed containers under normal storage and handling conditions.
- Possibility of hazardous reactions:** No dangerous reactions known
- Incompatible materials:** Avoid contact with strong oxidizing agents
- Hazardous decomposition:** Carbon oxides, water.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 TOXICOLOGICAL INFORMATION**

- | | | | |
|--------------------------------------|----------------|---|----------------|
| Non-human toxicological data: | Not available | Respiratory or skin sensitization: | Not classified |
| Acute toxicity: | Not available | Germ cell mutagenicity: | Not classified |
| LD50 (Oral, Rat) | Not available | Carcinogenicity: | Not classified |
| LD50 (Dermal, Rabbit): | Not available | Reproductive toxicity: | Not classified |
| LD50 (Inhalation, Rat): | Not classified | STOT - single exposure: | Not classified |
| Skin corrosion: | Not classified | STOT - repeated exposure: | Not classified |
| Serious eye damage: | Not classified | | |

SECTION 12: ECOLOGICAL INFORMATION**12.1 ECOLOGICAL INFORMATION**

ACUTE TOXICITY		TIME	SPECIES	METHOD	EVALUATION	REMARKS
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

- Results of PBT& vPvB assessment:** No further relevant information available
- Persistence and degradability:** No further relevant information available
- Bioaccumulative potential:** No further relevant information available
- Mobility in soil:** No further relevant information available
- Other adverse effects:** No further relevant information available

**PROTRAX FUEL CELL**
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The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.

Product/packaging disposal: If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations

SECTION 14: TRANSPORT INFORMATION**14.1 TRANSPORT INFORMATION**

	LAND TRANSPORT (ADR/RID)	SEA TRANSPORT (IMDG)	AIR TRANSPORT (ICAO/IATA)
UN-Number	UN1950	UN1950	UN1950
UN Proper Shipping Name	Aerosols, Flammable	Aerosols, Flammable	Aerosols, Flammable
Transport Hazard Class	2.1	2.1	2.1
Packaging Group	-	-	-
Environmental Hazards	No	No	No
Special Precautions For User	See Section 2.2	See Section 2.2	See Section 2.2

Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code.

SECTION 15: REGULATORY INFORMATION**15.1 REGULATORY INFORMATION**

Relevant information regarding authorization: Not applicable

Relevant information regarding restriction: Not applicable

Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other national regulations: Not applicable



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SECTION 16: OTHER INFORMATION

16.1 INDICATION OF CHANGES

Version 1.0. Amended by EU No 453/2010

16.2 RELEVANT R-PHRASES (NUMBER AND FULL TEXT)

R12 Extremely flammable

16.3 TRAINING INSTRUCTIONS

Not applicable

16.4 FURTHER INFORMATION

This information is based upon the present state of our knowledge. This MSDS has been compiled and is solely intended for this product.

16.5 NOTICE TO READER

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this MSDS, or in combination with any other product or process, is the responsibility of the user.