TRUSTNAIL FUEL CELL
SAFETY DATA SHEET (SDS)

Document No.	Revision	Issue Date	Language
TN-GBF-FC-001	00	09 October 2026	English

1. Identification of the substance/mixture and of the company/undertaking

Product name: Trustnail Fuel Cell. Product type: Fuel cartridge for gas-powered nailers. Identified use: Fuel for compatible gas-powered nail guns. Uses advised against: Refilling and applications not specified by the manufacturer.
Supplier/importer in Türkiye: Atlas Corp İnşaat Sanayi ve Ticaret Limited Şirketi. Address: Fatih Mah. Doğan Sok. A Blok No:53AC, Pendik / Istanbul / Türkiye. Telephone: +90 216 352 80 71. Emergency telephone: +90 216 352 80 71 (availability outside business hours must be verified).

2. Hazards identification

The propane/n-butane mixture is extremely flammable. The previous SDS indicated “Flammable gas – Category 1” and “Gas under pressure”, with H220 (Extremely flammable gas) and H280 (Contains gas under pressure; may explode if heated). The final classification under the applicable Turkish SEA/CLP rules, pictograms and label elements must be checked by the competent SDS author before signing.
Keep away from heat, sparks and open flames. Use with adequate ventilation. Do not puncture, burn or refill the cartridge. The “Flammable Liquid 3” transport marking on the label must be reconciled with the manufacturer’s UN2037/Class 2.1 declaration.

3. Composition/information on ingredients

Composition by mass (w/w), as declared by the manufacturer:

Component	CAS No.	Weight fraction	Per 40 g cartridge
Propane (C3H8)	74-98-6	35%	14 g
n-Butane (C4H10)	106-97-8	65%	26 g

4. First-aid measures

Inhalation: Move the affected person to fresh air if safe to do so; seek medical attention if symptoms persist. Rescuers must not enter gas-filled areas without protection. Skin: Liquefied gas can cause cold burns; gently warm with lukewarm water, do not forcibly remove adhering clothing, and seek medical attention. Eyes: Rinse carefully with water and seek urgent medical attention. Ingestion: Not expected in normal use; obtain medical advice in the event of exposure.

5. Firefighting measures

Dry chemical powder, CO2 or suitable foam may be used. In a gas-leak fire, extinguishing the flame before the leak can safely be stopped may create a re-ignition hazard. Cool heated cartridges from a safe distance using water spray. Combustion products may include carbon monoxide and carbon dioxide.

6. Accidental release measures

Evacuate the area and safely remove ignition sources. Ventilate without generating sparks. Gas may accumulate in low-lying areas. Stop leaks only if safe; contact emergency responders for major releases.

7. Handling and storage

Use only with equipment specified by the manufacturer and with adequate ventilation. Do not drop, crush, puncture, incinerate or refill. Protect from temperatures above 50°C, direct sunlight, flames and hot surfaces. Store in a cool, well-ventilated place away from ignition sources.

8. Exposure controls/personal protection

Provide adequate general/local ventilation and appropriate gas-detection measures. Use eye protection and gloves suitable for potential contact with cold liquefied gas. Applicable occupational exposure limits and any respiratory protection requirements must be confirmed through a workplace risk assessment.

9. Physical and chemical properties

Physical state: Liquefied propane/n-butane mixture in a valved metal cartridge. Net gas content: 40 g. Label volume statement: 80 mL (the meaning of this volume has not been specified). Manufacturer-declared operating pressure: 6 MPa (60 bar); measurement temperature has not been supplied. Product-specific measured data for colour, odour, boiling range, flash point, explosion limits and temperature-dependent vapour pressure have not been provided.

10. Stability and reactivity

Expected to be stable under recommended storage conditions. Avoid heat, open flames, sparks, strong oxidising agents and physical damage to the cartridge. Product-specific experimental stability data have not been provided.

11. Toxicological information

At high concentrations the gas may displace oxygen and create an asphyxiation hazard; dizziness may occur. Liquefied gas may cause cold burns. Mixture-specific quantitative toxicological data have not been provided.

12. Ecological information

The mixture is expected to disperse rapidly into the atmosphere. Product-specific quantitative data for ecotoxicity, persistence, bioaccumulation and mobility have not been provided. Avoid uncontrolled environmental releases.

13. Disposal considerations

Do not puncture, incinerate or refill the cartridge. Manage full, damaged and empty cartridges according to applicable waste regulations and instructions from an authorised waste management contractor. The waste code must be determined based on the actual disposal circumstances.

14. Transport information

Manufacturer declaration: UN2037; transport hazard class 2.1 (flammable gas); ADR/RID: pressurised gas cartridge. The proper shipping name, suitability of UN2037 for the valve design, packaging provisions and consistency with the Class 3 label marking must be verified by a qualified dangerous-goods specialist. IMDG/IATA information has not been supplied.

15. Regulatory information

Applicable requirements in Türkiye include the SEA regulation, KKDIK safety data sheet requirements, and relevant transport and waste legislation. This document is not, by itself, a regulatory compliance certificate.

16. Other information and revision record

Document No.: TN-GBF-FC-001. Revision: 00. Issue date: 09 October 2026. Sources: Composition, pressure and transport declarations supplied by the Chinese manufacturer; product label photographs; previous Turkish SDS. Abbreviations: SDS = Safety Data Sheet; CAS = Chemical Abstracts Service; ADR/RID = dangerous goods transport rules for road/rail.