Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation

Fuel Cell 18g, 25g, 40g

Use of the substance/preparation
Application is by spray atomisation from a hand held aerosol pack.
Fuel for the GTPRO Trakfix Concrete Fixing Tool.

Company/undertaking identification
OK Befestigung GmbH & Co. KG
CSR Tools & Consumables – GTPRO
Address:
36 Chard Road
Brookvale
NSW, 2084
Australia
Telephone: +61 2 9909 6906
Emergency Tel: +61 2 9909 6906
Website: www.gtpro.com.au

2. HAZARDS IDENTIFICATION

Preparation is classified as hazardous in the sense of directive 1999/45/EC.

To people

See point 11 and 15.
Product is extremely flammable.
When using: development of explosive vapour/air mixture possible.
Danger of bursting (explosion) when heated
Liquid projections or spray may cause frostbite.

To the environment

See point 12.
Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Gen. description:
Lubricant

Chemical name			
content %	**Symbol**	**Chemical name**	**EINECS, ELINCS**
	Registration number (ECHA)	**Classification categories / Indications of danger:**	

Propane			
10 - 30	F+	12	200-827-9
		Extremely flammable	

Chemical name			
content %	**Symbol**	**Chemical name**	**EINECS, ELINCS**
	Registration number (ECHA)	**Classification categories / Indications of danger:**	

Butane			
60 - 80	F+	12	203-448-7
		Extremely flammable	

Chemical name			
content %	**Symbol**	**Chemical name**	**EINECS, ELINCS**

	Registration number (ECHA)	Classification categories / Indications of danger:	
Nitrogen			
	---	---	231-783-9

For complete wording of the R-phrases / H-phrases (GHS/CLP), refer to point 16.

4. FIRST AID MEASURES

4.1 Inhalation
Keep Data Sheet available.
Supply person with fresh air. Call doctor immediately.

4.2 Skin contact
Cover frostbite aseptically.
No attempt should be made to remove the product from the skin.
Carefully and gently brush the contaminated body surfaces in order to remove all traces of product.
Wash off with cold water.
Never use warm water.
Consult doctor immediately - keep Data Sheet available.

4.2 Eye contact
Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media
Dry extinguisher
CO2
Water jet spray
Foam
Cool container at risk with water.

5.2 Extinguishing media which shall not be used for safety reasons
High volume water jet

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases
In case of fire the following can develop:
Danger of explosion by prolonged heating.
Explosive vapour/air mixture
Oxides of carbon
Hydrocarbons
Extinguishing water must not be poured down the drain.
Danger of explosion

5.4 Special protective equipment for fire-fighters
Protective respirator with independent air supply.
Full protection, if necessary

5.5 Further information
Dispose of contaminated extinction water according to official regulations.

6. ACCIDENTAL RELEASE MEASURES

Refer to point 13. and for personal protection refer to point 8.

6.1 Personal precautions
Remove possible causes of ignition - do not smoke.
Ensure sufficient supply of air.
Avoid inhaling

6.2 Environmental precautions
If leakage occurs, dam up.
Prevent from entering drainage system.
Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous.
Danger of explosion

6.3 Methods for cleaning up
If spray or gas escapes, ensure ample fresh air is available.
Allow to evaporate.
Respirator with filter

7. HANDLING AND STORAGE

7.1 Handling

Tips for safe handling:

See point 6.1
Observe directions on label and instructions for use.
Keep away from sources of ignition - Do not smoke.
Ensure good ventilation.
Use working methods according to operating instructions.
Take precautions against electrostatic charges.
Vapours heavier than air.
Without adequate ventilation, formation of explosive mixtures may be possible.

7.2. Storage

Requirements for storage rooms and containers:

Not to be stored in gangways or stair wells.
Do not store with flammable or self-igniting materials.
Observe regulations for keeping separated.
Store product closed and only in original packing.
Observe special regulations for aerosols!

Special storage conditions:

See point 10
Keep protected from direct sunlight and temperatures over 50°C.
Only store at temperatures from 10°C to 25°C
Pressure increase will result in danger of bursting.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

GB	Chemical Name	Propane		Content %:10 - 30
WEL-TWA: 1000 ppm (ACGIH)		WEL-STEL: ---		---
BMGV: ---			Other information: ---	

GB	Chemical Name	Butane		Content %:60 - 80
WEL-TWA: 600 ppm (1450 mg/m3)		WEL-STEL: 750 ppm (1810 mg/m3)		---
BMGV: ---			Other information: ---	

GB WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-terme exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

8.2 Exposure controls

8.2.1 Occupational exposure controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.
If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
Applies only if maximum permissible exposure values are listed here.
General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.

Respiratory protection:	If OES or MEL is exceeded.
Hand protection:	
Eye protection:	Tight fitting protective goggles (EN 166) with side protection, with danger of projections.
Skin protection:	Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Additional information on hand protection - No tests have been performed.
Selection made for preparations according to the best available knowledge and information on the ingredients.
Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.
Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.2 Environmental exposure controls
n.av.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Physical state:	Aerosol
Colour:	n.av.
Odour:	Neutral

9.2. Important health, safety and environmental information

pH-value undiluted:	Not detected
Boiling point/boiling range (°C):	n.av.
Melting point/melting range (°C):	Not detected
Flash point (°C):	< - 20°C
Ignition temperature:	460°C
Flammability (solid, gas):	Yes
Vapour pressure:	2700hPa/20° // 4200hPa/20°C
Water solubility:	< 0,1 g/l
Viscosity:	n.c.

10. STABILITY AND REACTIVITY

Conditions to avoid
See point 7
Pressure increase will result in danger of bursting.
Heating, open flame, ignition sources

Materials to avoid
See point 7
Avoid contact with other chemicals.

Hazardous decomposition products
See point 5.3

11. TOXICOLOGICAL INFORMATION

Carcinogenicity:	No indications of such an effect.
Mutagenicity:	No indications of such an effect.
Reproductive toxicity:	No indications of such an effect.

Inhalation of fumes may have narcotic effect.

12. ECOLOGICAL INFORMATION

Persistence and degradability:	n.av.
Behaviour in sewage plants:	Prevent from entering drainage system.
Danger of explosion	

13. DISPOSAL CONSIDERATIONS

13.1. for the material / preparation / residue
EC disposal code no.:
The waste codes are recommendations based on the scheduled use of this product.
Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)
07 07 04 other organic solvents, washing liquids and mother liquors
16 05 04 gases in pressure containers (including halons) containing dangerous substances
Recommendation:
Pay attention to local and national official regulations

13.2 for contaminated packing material

See point 13.1
Pay attention to local and national official regulations
15 01 04 metallic packaging

14. TRANSPORT INFORMATION

General statements

UN-Number: 1950

Road/Rail-transport (ADR/RID)

Class/packing group: 2/-
UN 1950 AEROSOLS
Classification code: 5F
LQ: 2
Tunnel restriction code: D
IMDG-code: 2/- (class/packing group)
EmS: F-D, S-U

Marine Pollutant: n.a
AEROSOLS
IATA: 2/-/- (class/secondary danger/packing group)
Aerosols, flammable

Additional information:

15. REGULATORY INFORMATION

Classification according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)

Symbols: F+
Indications of danger: Extremely flammable
R-phrases:
18 In use, may form flammable/explosive vapour-air mixture.
S-phrases:
9 Keep container in a well-ventilated place.
33 Take precautionary measures against static discharges.
Additions:
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.
Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.
Keep away from sources of ignition - No smoking.
Keep out of the reach of children.

Danger of bursting (explosion) when heated

Observe restrictions: Yes
Observe youth employment law (German regulation).
Regulation (EC) No 1907/2006, Annex XVII.

16. OTHER INFORMATION

These details refer to the product as it is delivered.
Revised points: n.a.
The following phrases represent the prescribed R-phrases / H-phrases (GHS/CLP) for the ingredients (designated in point 3).
12 Extremely flammable.

Legend:

n.a. = not applicable / n.v., k.D.v. = n.av. = not available / n.g. = n.c. = not checked
WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference period), STEL = Short-terme exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40
AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = "Biologischer Grenzwert" (biological limit value, Germany)
VbF = Regulations for flammable liquids (Austria)
WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water
VOC = Volatile organic compounds / AOX = Adsorbable organic halogen compounds
VwVwS = Administrative Order relating to substances hazardous to water (Germany)

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.
No responsibility.