

## 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### 1.1 Product Identifier

Material name : "Ctlf 'Uwr gt'F t{ "

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use : Lwdtlecpv'ROVHOG'F t{ 'Hkno 'Ur tc{

### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: "T q'Rtq'Ej go lecu

Unit 7D

O qnguy qt vj 'Dwulpguu'Gucv'g

Eco dtkf i g

Cco dtkf i guj kg

RG4: '2S I

Tel. : 01832 279279

Fax. :

Email (for SDSs) : info@goprochemicals.co.uk

### 1.4 Emergency tel. no.: 01832 279279 (Office hours)

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

According to GB Classification, Labelling and Packaging of Substances and Mixtures Regulation (CLP):

Physical and Chemical Hazard	Aerosol Cat. 1; H222; H229
Human health	Skin Irrit.2; H315; STOT SE3; H336
Environment	Aquatic Chronic 2; H411

### 2.2 Label elements

Labelling according to GB CLP:

Signal word: Danger

Contains: Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cyclics, <5% n-Hexane;  
Hydrocarbons, C6, isoalkanes, <5% n-Hexane.



Pictogram(s):

<b>Hazard statements:</b>	H222	Extremely flammable aerosol.
	H229	Pressurised container: May burst if heated.
	H315	Causes skin irritation.
	H336	May cause drowsiness or dizziness.
	H411	Toxic to aquatic life with long lasting effects.

**Precautionary statements:**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.

# SAFETY DATA SHEET

Page 2 of 8  
Issued: 31/01/2023; Revision No.1  
GB Regulation S.I. 2020 No. 1577

## Precautionary

**Statements (continued):** P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C.  
P261 Avoid breathing vapour/spray.  
P280 Wear protective gloves.  
P271 Use only outdoors or in a well-ventilated area.  
P302+P352 IF ON SKIN: Wash with soap and water.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P501 Dispose of contents/container in accordance with local/national regulations.

**2.3 Other hazards** In use, may form flammable / explosive vapour-air mixture.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures:

#### Hazardous components

Chemical Name	CAS No./ EC No./ Index No./ Reg. No	Classification (CLP)	Content
LIQUEFIED PETROLEUM GAS (contains <0.1% 1,3-butadiene)	68476-85-7 270-704-2 -	Flam.Gas 1; H220 Gas under pressure; H280	50-60%
HYDROCARBONS, C6-C7, n- ALKANES, ISOALKANES, CYCLICS, <5% n-HEXANE	- 921-024-6 01-2119475514-35	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	20-30%
HYDROCARBONS, C6, ISOALKANES, <5% n-HEXANE	64742-49-0 931-254-9 01-2119484651-34	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	5-10%
PROPAN-2-OL	67-63-0 200-661-7 603-117-00-0 01-2119457558-25	Flam. Liq.2; H225 Eye Irrit.2; H319 STOT SE3; H336	5-10%

Substance classifications are taken from the GB Mandatory Classification and Labelling (MCL) list, or if absent, from supplier's information.

See Section 16 for the full text of the H-statements noted above.

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**General advice:** Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

**Skin contact:** Wash with soap and water. Seek medical advice if irritation develops.

**Eye contact:** Rinse with water for 10 minutes and seek medical advice if irritation persists.

**Ingestion:** Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

**Inhalation:** Remove to fresh air. Seek medical advice.

**4.2 Most important symptoms and effects, both acute and delayed:** May cause irritation to skin.

**4.3 Indication of any immediate medical attention and special treatment needed:** See skin contact information above.

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide; dry chemical powder; alcohol or polymer foam.

Unsuitable extinguishing media: High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: Irritating/toxic fumes may be released at elevated temperatures.

### 5.3 Advice for fire-fighters:

Special protective equipment: Wear self-contained breathing apparatus. Use personal protective equipment.

Further information: Standard procedure for chemical fires. Use water spray to cool containers.  
Do not allow fire run-off to enter drains.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

### 6.2 Environmental precautions

Contain the spillage using sufficient appropriate absorbent material. Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

### 6.3 Methods and materials for containment and cleaning up

Wipe up liquid spillage with absorbent material such as sand, earth, or vermiculite, and place in a labelled container for disposal in accordance with local/national regulations.

### 6.4 References to other sections

See sections 8 and 13 for personal protection and disposal information.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Do not breathe spray mist. Avoid contact with skin and eyes. Handle with care.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area, below 50°C. Protect from frost, heat and sunlight. Keep away from food, drink and animal feed.

**7.3 Specific end use(s):** No information available.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****8.1 Control parameters**

Chemical name	8hr TWA	15min STEL	Reference
Liquefied petroleum gas	1750 mg/m <sup>3</sup> /1000ppm	2810 mg/m <sup>3</sup> /1250 ppm	EH40/2005
RCP Aliphatic solvents 60-95, low n-hexane	1000 mg/m <sup>3</sup> /250 ppm	-	UK SIA
Propan-2-ol	999 mg/m <sup>3</sup> /400 ppm	1250 mg/m <sup>3</sup> /500 ppm	EH40/2005

**DNEL:**

DNEL (workers)	Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cyclics, <5% n-Hexane	Hydrocarbons, C6, isoalkanes, <5% n-hexane	Propan-2-ol
Chronic systemic effects (dermal)	773 mg/kg	13964 mg/kg bw/day	888 mg/kg/bw/day
Chronic systemic effects (inhalation)	2035 mg/m <sup>3</sup>	5306 mg/m <sup>3</sup>	500 mg/m <sup>3</sup>

DNEL (consumers)	Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cyclics, <5% n-Hexane	Hydrocarbons, C6, isoalkanes, <5% n-hexane	Propan-2-ol
Chronic systemic effects (dermal)	699 mg/kg	1377 mg/kg bw/day	319 mg/kg/bw/day
Chronic systemic effects (inhalation)	608 mg/m <sup>3</sup>	1131 mg/m <sup>3</sup>	89 mg/m <sup>3</sup>
Chronic systemic effects (oral)	699 mg/kg	1301 mg/kg/day	26 mg/kg

**PNEC:**

Environment	Propan-2-ol
<b>Aquatic Compartment</b>	
Fresh water	140.9 mg/l
Marine water	140.9 mg/l
Water-intermittent (sporadic) release	140.9 mg/l
Dry Sediment – fresh water	552 mg/kg
Dry Sediment – marine water	552 mg/kg
<b>Terrestrial Compartment</b>	
Dry soil	28 mg/kg

The hydrocarbon solvent has a complex, unknown or variable composition (UVCB). Conventional methods of deriving PNECs are not appropriate and it is not possible to identify a single representative PNEC for such substances.

**8.2 Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Personal protective equipment**

**Respiratory protection:** Unlikely to be necessary in normal circumstances; if vapour levels are high, wear a respirator conforming to EN 140 with type A filter or better.

**Hand protection:** Wear chemically resistant gloves such as butyl rubber approved to standard EN 374; material thickness 0.5mm; break through time  $\geq$  480 min. Gloves must be replaced after 8 hours of wear. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Check with glove manufacturer for specific advice.

**Eye protection:** Chemical splash goggles if eye contact is reasonably probable. The selected goggles or glasses must satisfy the European standard EN 166.

# SAFETY DATA SHEET

Page 5 of 8  
Issued: 31/01/2023; Revision No.1  
GB Regulation S.I. 2020 No. 1577

**Skin and body protection:** Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. The selected protective clothing has to satisfy the standard EN 13034, which describes clothing offering limited 8 hour protection against splashes. Use PPE that is chemically resistant to the product and prevents skin contact.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink whilst using the product. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use.

**Environmental exposure controls:** Do not discharge into drains or rivers.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

State and colour	Aerosol emitting a colourless/whitish spray.
Odour	Paraffinic
Odour Threshold	No data available
Flammability	Extremely flammable
Flash point	<0°C
Lower explosion limit	0.8%
Upper explosion limit	12.0%
Explosive properties	Not explosive
Thermal decomposition	No data available
Auto-ignition temperature	>230°C
Oxidising properties	Non-oxidising
Solubility in water	Insoluble
Solubility in other solvents	Soluble in most organic solvents.
pH	Not applicable
Melting point/range	No data available
Boiling point/range	No data available
Relative density	No data available
Vapour pressure	No data available
Vapour density	No data available
Partition coefficient: n-octanol/water	Not applicable for mixtures
Viscosity (kinematic)	No data available
Evaporation rate	No data available

9.2 Other information	VOC Content: 98%
-----------------------	------------------

## 10. STABILITY AND REACTIVITY

10.1 Reactivity	Generally non-reactive.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None if stored and used as directed.
10.4 Conditions to avoid	None known.
10.5 Incompatible materials	None known.
10.6 Hazardous decomposition products	Oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
----------------	---

Chemical name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
Liquefied petroleum gas	Not applicable	>20mg/l (Rat) 4h	Not applicable
Hydrocarbon solvent blend	>2000 mg/kg (Rat)	>20 mg/l (Rat) 4h	>2000 mg/kg (Rat)
Propan-2-ol	>2000 mg/kg (Rat)	No data available	>2000 mg/kg (Rabbit)

## SAFETY DATA SHEET

Page 6 of 8  
Issued: 31/01/2023; Revision No.1  
GB Regulation S.I. 2020 No. 1577

<b>Skin corrosion/irritation:</b>	The mixture is classified as Sk. Irrit. 2, H315: Causes skin irritation.
<b>Serious eye damage/irritation:</b>	Based on available data, the classification criteria are not met.
<b>Respiratory or skin sensitisation:</b>	Based on available data, the classification criteria are not met.
<b>Repeated dose toxicity:</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity:</b>	Based on available data, the classification criteria are not met.
<b>Mutagenicity:</b>	Based on available data, the classification criteria are not met.
<b>Toxicity for reproduction:</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity (STOT):</b>	The mixture is classified as STOT SE3, H336; May cause drowsiness or dizziness.
<b>Further information</b>	The product as a whole may cause irritation of skin, eyes, nose and upper respiratory tract if exposed to high levels of spray mist.

### 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:** The mixture is classified as Aquatic Chronic 2; H411: Toxic to aquatic life with long lasting effects.

Chemical name	Species	Test	Value
Hydrocarbon solvent blend	Daphnia	LL/EL/IL50	1-10 mg/l
	Rainbow trout	LL/EL/IL50	1-10 mg/l
	Algae	LL/EL/IL50	10-100 mg/l
Propan-2-ol	Daphnia	EC50 48h	>100 mg/l
	Golden ide	LC50 48h	>100 mg/l
	Algae	EC50 72h	>100 mg/l

Physical properties indicate that petroleum gases will rapidly volatilise from the aquatic environment and that acute and chronic effects would not be observed in practice.

<b>12.2 Persistence and degradability</b>	Liquefied petroleum gas is expected to be readily biodegradable. Oxidises rapidly by photochemical reactions in air. The solvent content is expected to be inherently biodegradable.
<b>12.3 Bioaccumulative potential</b>	Low potential for bioaccumulation.
<b>12.4 Mobility in soil</b>	The liquid content is mainly insoluble in water and will float on the surface.
<b>12.5 Results of PBT and vPvB assessment</b>	Contains no PBT or vPvB substances.
<b>12.6 Other adverse effects</b>	None expected.

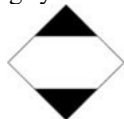
### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Disposal operations: Dispose of in accordance with local and national regulations.  
Contact licensed waste disposal company. Most aerosols can be recycled.  
Do not pierce or burn or use a cutting torch on the empty aerosol container.

**14. TRANSPORT INFORMATION**

General Information: The UN number for all aerosols is 1950. Aerosols packed in fibreboard cartons up to 30 kg gross weight, or shrink/stretch wrapped onto trays up to 20 kg gross weight may be transported as Limited Quantities, and should display the following symbol on the pack:



The following information relates to all other aerosols not transported as Limited Quantities:

**14.1 UN number** ADR/RID/ADN; IMDG; ICAO 1950

**14.2 UN proper shipping name** AEROSOLS

**14.3 Transport hazard class(es)** ADR/RID/ADN Class 2, 5F  
ADR/RID/ADN Class Class 2, Gases  
ADR Label No. 2.1  
IMDG Class 2  
ICAO Class/Division 2  
ICAO Subsidiary risk 2.1



Transport labels

**14.4 Packing Group** ADR/RID/ADN; IMDG; ICAO Not applicable for aerosols

**14.5 Environment hazards** Marine Pollutant Not applicable for aerosols.

**14.6 Special precautions for user** EMS F-D, S-U

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable for aerosols.

**15. REGULATORY INFORMATION**

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

**UK Regulatory References**

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

GB MCL (Mandatory Classification and Labelling).

**Statutory Instruments**

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

S.I. 2020 No 1577: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

**Guidance Notes**

Health and Safety Executive Workplace Exposure Limits EH40.

## 15.2 Chemical Safety Assessment

Chemical Safety Assessments/Reports (CSA/CSR) are not required for mixtures.

## 16. OTHER INFORMATION

This safety data sheet is prepared in accordance with the requirements of the UK REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020. (S.I. 2020 No. 1577).

### Classification and procedure used to derive the classification for mixtures according to GB CLP:

Physical hazards: On basis of test data/Expert judgement.  
Health hazards: Calculation method  
Environmental hazards: Calculation method

### Full text of H-statements referred to under sections 2 and 3

H220 Extremely flammable gas.  
H222 Extremely flammable aerosol.  
H225 Highly flammable liquid and vapour.  
H229 Pressurised container: May burst if heated.  
H280 Contains gas under pressure; may explode if heated.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

### Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.  
STOT: Single Target Organ Toxicity (Section 2; 11).  
SE: Single exposure (Section 2)  
TWA: Time-weighted average. (Section 8).  
STEL: Short-term exposure limit. (Section 8).  
PBT: Persistent, Bioaccumulative, Toxic. (Section 12).  
vPvB: very Persistent and very Bioaccumulative. (Section 12).

**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. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

[final page]