

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

1.1 Product Identifier

Material name : Release It

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

Product use : Penetrating/maintenance fluid.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Go Pro Chemicals
Unit 5B
Molesworth Business Estate
Molesworth
Cambridgeshire
PE28 0QG

Tel. : 01832 279279

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

1.4 Emergency tel. no. : 01832 279279

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 Hazards	Aerosol Cat. 1; H222; H229
Human health	Eye Irrit.2; H319; STOT SE3; H336; EUH066
Environment	Not classified

2.2 Label elements

Labelling according to GB CLP:

Signal word: Danger

Contains: Acetone

Pictograms:



Hazard Statements:

H222	Extremely flammable aerosol.
H229	Pressurised container: may burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Supplemental Statements:

EUH066	Repeated exposure may cause skin dryness or cracking.
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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.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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Precautionary Statements (continued):

P261	Avoid breathing vapour/spray.
P280	Wear protective gloves/eye/face protection.
P271	Use only outdoors or in a well-ventilated area.
P302+P352	IF ON SKIN: Wash with soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P314	Get medical advice/attention if you feel unwell.
P501	Dispose of contents/container in accordance with 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./ Reg. No	Classification (CLP)	Content
(2-METHOXYMETHYLETHOXY)PROPANOL	34590-94-8 252-104-2 01-2119450011-60-xxxx	Not classified but has a WEL.	30-40%
ACETONE	67-64-1 200-662-2 01-2119471330-49-xxxx	Flam.Liq. 2; H225 Eye Irrit. 2; H319 STOT SE3; H336, EUH066	10-20%
LIQUEFIED PETROLEUM GAS (contains <0.1% 1,3-butadiene)	68476-85-7 270-704-2 -	Flam.Gas 1; H220 Gas under pressure; H280	10-30%

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 and eyes with prolonged contact.

4.3 Indication of any immediate medical attention and special treatment needed: See skin and eye 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**

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	Comment	Reference
(2-methoxymethylethoxy)propanol	308 mg/m ³ /50ppm	-	(Sk)	EH40/2005
Acetone	1210 mg/m ³ /500 ppm	3620 mg/m ³ /1500ppm		EH40/2005
Liquefied petroleum gas	1750 mg/m ³ /1000ppm	2810 mg/m ³ /1250 ppm		EH40/2005

DNEL (workers)	Acetone	Reference
Chronic systemic effects (inhalation)	1210 mg/m ³	Manufacturer
Chronic local effects (inhalation)	2420 mg/m ³	Manufacturer

DNEL (consumers)	Acetone	Reference
Chronic systemic effects (inhalation)	200 mg/m ³	Manufacturer
Chronic local effects (inhalation)	-	Manufacturer

PNEC: No information available.

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. (Sk) noted above means can be absorbed through skin.

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

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 colourless spray.
Odour	Characteristic
Odour Threshold	No data available
Flammability	Extremely flammable
Flash point	<0°C
Lower explosion limit	0.8%
Upper explosion limit	13.0%
Explosive properties	Not explosive
Thermal decomposition	No data available
Auto-ignition temperature	>230°C
Oxidising properties	Non-oxidising
Solubility in water	Partially soluble
Solubility in other solvents	Soluble in most organic solvents
pH	Not applicable
Melting point/range	No data available
Boiling point/range	No data available
Density	0.98 g/cm ³ @ 20°C (of liquid material)
Vapour pressure	No data available
Vapour density	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity (kinematic)	Non-viscous (liquid material)
Evaporation rate	No data available

9.2 Other information No data available

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	Strong oxidising agents.
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)
(2-methoxymethylethoxy)propanol	5135 mg/kg (Mouse)	No data available	19000 mg/kg (Rabbit)
Acetone	5800 mg/kg (Rat)	>50100 mg/m ³ (Rat)	7426 mg/kg (Guinea pig)
Liquefied petroleum gas	Not applicable	>20mg/l (Rat) 4h	Not applicable

Skin corrosion/irritation: Based on available data the classification criteria are not met.
Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation: Classified as H319: Causes serious eye irritation.

Respiratory or skin sensitisation: Based on available data the classification criteria are not met.

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Repeated dose toxicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Based on available data the classification criteria are not met.
Mutagenicity:	Based on available data the classification criteria are not met.
Toxicity for reproduction:	Based on available data the classification criteria are not met.
Specific target organ toxicity (STOT):	Classified as H336: May cause drowsiness or dizziness.
Further information	No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical name	Species	Test	Value
(2-methoxymethylethoxy)propanol	Daphnia	EC50 48h	1919 mg/l
	Fish	LC50 96h	>10000 mg/l
	Algae	IC50 72h	>100 mg/l
Acetone	Daphnia	LC50 24h	13500 mg/l
	Rainbow trout	LC50 96h	5540 mg/l
	Algae	NOEC50 8h	530 mg/l/8 d

12.2 Persistence and degradability	Liquefied petroleum gas is expected to be readily biodegradable. Oxidises rapidly by photochemical reactions in air.
12.3 Bioaccumulative potential	Not expected to bioaccumulate significantly.
12.4 Mobility in soil	The liquid content is insoluble and will float on the surface.
12.5 Results of PBT and vPvB assessment	Contains no PBT or vPvB substances.
12.6 Other adverse effects	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

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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).

Reason for revision: regulatory references changed from Regulation (EC) No 1272/2008 (CLP) and EU REACH to GB CLP and UK REACH.

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: Not applicable.

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.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking.

Abbreviations and acronyms

Asp: Aspiration (Section 3).
CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.
STOT: Single Target Organ Toxicity (Section 11).
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).
EC50: Effective Concentration, 50 percent. (Section 12).
LC50: Lethal Concentration, 50 percent. (Section 11/12).
LD50: Lethal Dose, 50 percent. (Section 11).

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.

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