

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

PROPOWER FLUX REMOVER
Aerosol

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

Cleaners - Precision

1.3. Details of the supplier of the safety data sheet

Premier Farnell
150 Armley Road
Leeds LS12 2QQ
Tel. : +44 (0) 870 129 8608

1.4. Emergency telephone number

+44 (0) 870 202530

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical	: Aerosols, category 1 Extremely flammable aerosol. Pressurised container: May burst if heated
Health	: Eye irritation, category 2 Causes serious eye irritation. Specific target organ toxicity - single exposure, category 3 May cause drowsiness or dizziness.
Environment	: Hazardous to the aquatic environment, chronic category 2 Toxic to aquatic life with long lasting effects.

Classification according to 67/548/EEC or 1999/45/EC:

Extremely Flammable	
Xi : Irritant	
N : Dangerous For The Environment	
Health	: R38: Irritating to skin. R43: May cause sensitization by skin contact. R67: Vapours may cause drowsiness and dizziness.
Physical	: R12: Extremely flammable. Extremely Flammable
Environment	: R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier	: Contains: Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics 1-methoxy-2-propanol; monopropylene glycol methyl ether propan-2-ol; isopropyl alcohol; isopropanol
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Hazard pictogram(s)	:   
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Signal word	: Danger
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Hazard statement(s):	: H222 : Extremely flammable aerosol. H229 : Pressurised container: May burst if heated. H319 : Causes serious eye irritation. H336 : May cause drowsiness or dizziness. H411 : Toxic to aquatic life with long lasting effects.
Precautionary statement(s)	: P102 : Keep out of reach of children. 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. P261 : Avoid breathing dust/fume/gas/mist/vapours/spray. P271 : Use only outdoors or in a well-ventilated area. P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501-2 : Dispose of contents/container to an authorised waste collection point.
Supplemental Hazard information	: Repeated exposure may cause skin dryness or cracking. Contains: Orange, sweet, extract May produce an allergic reaction.

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Hazardous ingredient	CAS-nr.	EC-nr	w/w %	Symbol	R-phrases*	Notes
Naphtha (petroleum), hydrotreated light	64742-49-0	920-750-0	30-60	F,Xn,N	11-51/53-65-66-67	B
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	203-539-1	10-30		10-67	A
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	200-661-7	10-30	F, Xi	11-36-67	B
Hydrocarbons,C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%)	68512-91-4	270-990-9	10-30	F+	12	K, G
Orange, sweet, extract	8028-48-6	232-433-8	0-1	Xn, N	10-38-43-50/53-65	

Explanation notes

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

G : exempted from the obligation to register in accordance with art.2(7)(a)of REACH Regulation No 1907/2006

K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8)

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
Naphtha (petroleum), hydrotreated light	01-2119473851-33	64742-49-0	920-750-0	30-60	Flam. Liq. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2	H225, H336, H304, H411	B

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Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
1-methoxy-2-propanol; monopropylene glycol methyl ether	01-2119457435-35	107-98-2	203-539-1	10-30	Flam. Liq. 3, STOT SE 3	H226, H336	A
propan-2-ol; isopropyl alcohol; isopropanol	01-2119457558-25	67-63-0	200-661-7	10-30	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225, H319, H336	B
Hydrocarbons,C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%)	-	68512-91-4	270-990-9	10-30	Press. Gas, Flam. Gas 1	H280, H220	K,G
Orange, sweet, extract	01-2119493353-35	8028-48-6	232-433-8	0-1	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1	H226, H315, H317, H304, H400, H410	
Explanation notes							
A : substance with Community workplace exposure limit							
B : substance with national established workplace exposure limit							
G : exempted from the obligation to register in accordance with art.2(7)(a)of REACH Regulation No 1907/2006							
K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8)							

(*Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures

- Contact with eyes : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention.
- Contact with skin : Take off contaminated clothing and wash before reuse.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
- Inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor/physician if you feel unwell.
- Ingestion : If swallowed accidentally, do not induce vomiting and seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

- Inhalation : Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
- Ingestion : May cause gastrointestinal disturbances.
Symptoms : sore throat, abdominal pain, nausea, vomiting
- Skin contact : May cause irritation.
Symptoms : redness and pain
- Eye contact : Irritating to eyes
Symptoms : redness and pain

4.3. Indication of any immediate medical attention and special treatment needed

- General Advice : If you feel unwell, seek medical advice show the label where possible
If symptoms persist always call a doctor

SECTION 5: Firefighting measures

5.1. Extinguishing media

Foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

Aerosols may explode if heated above 50°C
Forms hazardous decomposition products CO,CO₂

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources
Ensure adequate ventilation
Wear suitable protective clothing and gloves.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material
Place in appropriate container

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat and sources of ignition
Take precautionary measures against static discharges
Equipment should be earthed
Use explosion-proof electrical/ventilating/lighting/.../equipment.
Use only non-sparking tools.
Do not breathe aerosols or vapours.
Ensure adequate ventilation
Avoid contact with skin and eyes.
Wash thoroughly after use
Wear protective gloves/protective clothing/eye protection/face protection.
Eyewash bottles should be available

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
Keep out of reach of children.

7.3. Specific end use(s)

Cleaners - Precision

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Exposure limits :

Hazardous ingredient	CAS-nr.	method	
EU established exposure limits:			
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	TWA	400 ppm
		STEL	500 ppm
National established exposure limits, United Kingdom			
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	TWA	400 ppm
		STEL	500 ppm

8.2. Exposure controls

Control procedures	: Ensure adequate ventilation Keep away from heat and sources of ignition Take precautionary measures against static discharges
Personal protection	: Take precautions to avoid contact with skin and eyes when handling the product Ensure adequate ventilation
Inhalation	: In case of insufficient ventilation, wear suitable respiratory equipment
Recommended respiratory protection	: Air purifying respirator equipped with organic gas/vapor cartridge (type A)
Hands and Skin	: Wear suitable protective gloves against chemicals
Recommended gloves	: Nitrile
Eyes	: Wear safety goggles.
Environmental protection	: Avoid release to the environment. Collect spillage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

Appearance : physical state	: Propane/butane propelled liquid
Colour	: Colourless
Odour	: Characteristic odor.
pH	: Not applicable
Boiling point/range	: 82°C
Flash point	: 2°C
Evaporation rate	: Not available
Explosion limits : upper limit	: 12%
Lower limit	: 0.7%
Vapour pressure	: Not available
Relative density	: 0.781 g/cm ³ (@ 20°C)
Solubility in water	: Insoluble in water
Auto-ignition	: > 200°C
Viscosity	: Not available

9.2. Other information

VOC	: 708 g/l
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SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

10.4. Conditions to avoid

Avoid overheating

10.5. Incompatible materials

Strong oxidising agent

10.6. Hazardous decomposition products

CO, CO₂

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure :

Inhalation : Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion : May cause gastrointestinal disturbances
Skin contact : May cause irritation.
Eye contact : Irritating to eyes

Toxicological data :

Hazardous ingredient	CAS-nr.	method	
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	LD50 oral rat	4016 mg/kg
		LC50 inhal.rat	27596 mg/l
		LD50 derm.rabit	2000 mg/kg
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	LD50 oral rat	> 5000 mg/kg
		LC50 inhal.rat	> 20 mg/l
		LD50 derm.rabit	> 5000 mg/kg
Naphtha (petroleum), hydrotreated light	64742-49-0	LD50 oral rat	> 5000 mg/kg
		LC50 inhal.rat	> 20 mg/l
		LD50 derm.rabit	> 2000 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, chronic category 2
Toxic to aquatic life with long lasting effects.

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	LC50 fish	6812 mg/l
		EC50 daphnia	23300 mg/l

propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	IC50 algae	> 1000 mg/l
		LC50 fish	> 1000 mg/l
		EC50 daphnia	> 1000 mg/l
Naphtha (petroleum), hydrotreated light	64742-49-0	IC50 algae	10-30 mg/l
		LC50 fish	10-30 mg/l
		EC50 daphnia	1-10 mg/l

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

Insoluble in water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : This material and its container must be disposed of in a safe way.
Do not discharge into drains or the environment, dispose to an authorised waste collection point.

National regulations : Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

14.1. UN number

UN-number : 1950

14.2. UN proper shipping name

Proper shipping name : AEROSOLS (hydrocarbons)

14.3. Transport hazard class(es)

Class : 2.1

ADR/RID - Classification code : 5F

14.4. Packing group

Packing group : Not applicable

14.5. Environmental hazards

ADR/RID - Environmentally hazardous : Yes

IMDG - Marine pollutant : Marine pollutant

IATA/ICAO - Environmentally hazardous : Yes

14.6. Special precautions for user

ADR/RID - Tunnelcode : (D)
IMDG - Ems : F-D, S-U
IATA/ICAO - PAX : 203
IATA/ICAO - CAO : 203

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.
Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.
EU-directive 99/45/EC
Regulation (EC) No 1272/2008 (CLP)
Regulation (EC) No 1907/2006 (REACH)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation risk-phrases : R10: Flammable. R11: Highly flammable. R12: Extremely flammable.
R36: Irritating to eyes. R38: Irritating to skin.
R43: May cause sensitization by skin contact.
R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

*Explanation hazard statements : H220 : Extremely flammable gas. H225 : Highly flammable liquid and vapour.
H226 : Flammable liquid and vapour.
H280 : Contains gas under pressure; may explode if heated.
H304 : May be fatal if swallowed and enters airways.
H315 : Causes skin irritation. H317 : May cause an allergic skin reaction.
H319 : Causes serious eye irritation. H336 : May cause drowsiness or dizziness.
H400 : Very toxic to aquatic life. H410 : Very toxic to aquatic life with long lasting effects.
H411 : Toxic to aquatic life with long lasting effects.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.

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