

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

1.1. Product identifier

IPA Solvent
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) 8701 202530

1.4. Emergency telephone number

+44 1865 407333

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.
Classification is based on test data.	
Health	Eye irritation, category 2 Causes serious eye irritation. Specific target organ toxicity - single exposure, category 3 May cause drowsiness or dizziness.
Classification based on calculation method.	
Environment	Not classified
Classification based on calculation method.	

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier	Contains: propan-2-ol; isopropyl alcohol ;isopropanol
Hazard pictogram(s):	 
Signal word:	Danger
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.

Precautionary statement(s):	<p>P102 : Keep out of reach of children.</p> <p>P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P211 : Do not spray on an open flame or other ignition source.</p> <p>P251 : Do not pierce or burn, even after use.</p> <p>P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P271 : Use only outdoors or in a well-ventilated area.</p> <p>P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p> <p>P501-2 : Dispose of contents/container to an authorised waste collection point.</p>
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2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
propan-2-ol; isopropyl alcohol; isopropanol	01-2119457558-25	67-63-0	200-661-7	60-100	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319, H336	B
carbon dioxide	-	124-38-9	204-696-9	1-5	Press. Gas	H280	A, G
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)of REACH Regulation No 1907/2006							

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures

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

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
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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
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

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

Exposure limits :

Hazardous ingredient	CAS-nr.	method	
EU established exposure limits:			
carbon dioxide	124-38-9	TWA	9000 mg/m3
		STEL	1800 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	TWA	400 ppm
		STEL	500 ppm
National established exposure limits, United Kingdom			
carbon dioxide	124-38-9	TWA	5000 ppm
		STEL	15000 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 Wear suitable protective gloves
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	When handling the product wear chemical-resistant gloves (standard EN 374). The break-through time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through.

Recommended gloves	(neoprene)
Eyes	Wear safety eye wear according to EN 166.
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	: Liquid under pressure.
Colour	: Colourless.
Odour	: Alcohol.
pH	: Not available.
Boiling point/range	: 82°C
Flash point	: 12°C (Open Cup)
Evaporation rate	: Not available.
Explosion limits : upper limit	: 12%
Lower limit	: 1.8%
Vapour pressure	: 4.16 kPa (@ 20°C).
Relative density	: 0.785 g/cm ³ (@ 20°C).
Solubility in water	: Soluble in water
Auto-ignition	: 460°C
Viscosity	: Not available.

9.2. Other information

VOC = volatile organic compounds
794 g/l

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

acute toxicity:	based on available data the classification criteria are not met
skin corrosion/irritation:	based on available data the classification criteria are not met
serious eye damage/irritation:	Causes serious eye irritation.
respiratory or skin sensitisation:	based on available data the classification criteria are not met
germ cell mutagenicity:	based on available data the classification criteria are not met
carcinogenicity:	based on available data the classification criteria are not met
toxicity for reproduction:	based on available data the classification criteria are not met
STOT-single exposure:	May cause drowsiness or dizziness.
STOT repeated exposure:	based on available data the classification criteria are not met
aspiration hazard:	based on available data the classification criteria are not met

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	
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	LD50 oral rat	5840 mg/kg
		LC50 inhal.rat	> 25000 mg/l
		LD50 derm.rabit	13900 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Not classified

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	IC50 algae	1000 mg/l
		LC50 fish	9640 mg/l
		EC50 daphnia	9714 mg/l

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

Soluble 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

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 : No

IMDG - Marine pollutant : No

IATA/ICAO - Environmentally hazardous : No

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.
Regulation (EC) No 1907/2006 (REACH)
Regulation (EC) No 1272/2008 (CLP)
Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation hazard statements	H225 : Highly flammable liquid and vapour. H280 : Contains gas under pressure; may explode if heated. H319 : Causes serious eye irritation. H336 : May cause drowsiness or dizziness.
Revisions In Chapter	8.2. Exposure controls
acronyms and synonyms	TWA = time weight average STEL = short time exposure limit VOC = volatile organic compounds PBT = persistent bioaccumulative toxic vPvB = very persistent very bioaccumulative

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.

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