

SDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE SDS FOR:

PRODUCT:

IPA Isopropyl Alcohol Cleaning Solvent

DATE:

17-Dec-14

(SDS date)

1. Manufacturer/Supplier:

Tradegear Ltd
Level 1, 99 Clarence Street
Riccarton
Christchurch 8011
New Zealand
Phone: 0800 22 44 34 or +64 3 331 6517
Fax: 0800 22 11 51 or +64 9 522 8833
24 hr emergency contact: +64 21 510 624
Website: www.tradegear.co.nz
Email: office@tradegear.co.nz

Emergency Information:

National Poison Centre: 0800 764 766
Chemcall 24/7 Emergency Response Service: 0800 243 622

13. Disposal Considerations:

Product

Recommendation - Consult local or national regulations to ensure proper disposal.

Packaging

Disposal must be made according to official regulations.

16. Other Information:

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.



IPA ISOPROPYL ALCOHOL CLEANING SOLVENT SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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

1.1 Product identifier	
Product Name	IPA ISOPROPYL ALCOHOL CLEANING SOLVENT.
Trade Name	IPA ISOPROPYL ALCOHOL CLEANING SOLVENT.
Part No.	1976
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	A safe cleaning solvent for quickly removing dirt/ grime/ general soiling and moisture from electrical equipment and rubber/ plastic components.
Uses advised against	None known.
1.3 Details of the supplier of the Safety Data Sheet	
Company Identification	Action Can Ltd., Dixon Close, Old Boston Trading Estate, Haydock, St. Helens, Merseyside. WA11 9SF.
Telephone	00 44 1942 713667
Fax	01942 716235
E-Mail (competent person)	info@actioncan.com
1.4 Emergency telephone number	
Emergency Phone No.	01942 713667 (Mon - Fri: 9am to 5pm)

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
Regulation (EC) No. 1272/2008 (CLP)	Aerosol 1; Extremely flammable aerosol. Pressurised container: May burst if heated. Eye Irrit. 2; Causes serious eye irritation. STOT SE 3; May cause drowsiness or dizziness.
2.2 Label elements	
Product Name	According to Regulation (EC) No. 1272/2008 (CLP) IPA ISOPROPYL ALCOHOL CLEANING SOLVENT.
Hazard Pictogram(s)	
Signal Word(s)	GHS02 GHS07 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.



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ISO 9001

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Precautionary Statement(s)

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 spray.
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Keep out of reach of children.

Additional Information

2.3 Other hazards

None.

2.4 Additional Information

For full text of H/P phrases see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol.

3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Propan-2-ol	25 - 50	67-63-0	200-661-7	01-2119457558-25-0000	GHS02, Flam. Liq. 2; H225, GHS07, Eye Irrit. 2; H319, STOT SE 3; H336
Butane	20 - 30	106-97-8	203-448-7	01-2119474691-32-0000	GHS02, Flam. Gas 1; H220, GHS04, Press Gas: Liquefied gas; H280
Isobutane	10 - 25	75-28-5	200-857-2	01-2119485395-27-0000	GHS02, Flam. Gas 1; H220, GHS04, Press Gas: Liquefied gas; H280
Propane	10 - 20	74-98-6	200-827-9	01-2119486944-21-0000	GHS02, Flam. Gas 1; H220, GHS04, Press Gas: Liquefied gas; H280

3.2 Additional Information

For full text of H/P phrases see section 16.



IPA ISOPROPYL ALCOHOL CLEANING SOLVENT

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Skin Contact

Wash with plenty of water.

Eye Contact

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.

Ingestion

Unlikely route of exposure.

4.2 Most important symptoms and effects, both acute and delayed

May cause drowsiness or dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

Pressurised container: May burst if heated.

5.1 Extinguishing Media

Suitable Extinguishing Media

Water spray, dry powder or carbon dioxide.

In case of major fire and large quantities: Water spray, alcohol resistant foam.

Unsuitable Extinguishing Media

Water jet spray.

5.2 Special hazards arising from the substance or mixture

Heating may cause pressure rise with risk of bursting.

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep fire exposed containers cool by spraying with water.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate sources of ignition. Avoid breathing spray. Avoid contact with eyes. Wear protective gloves/eye protection. Wash hands thoroughly after handling.

6.2 Environmental precautions

Do not allow into any sewer on the ground, or into any body of water.

6.3 Methods and material for containment and cleaning up

Place leaking cans in a bucket or pail to contain spills. Collect mechanically and dispose of according to Section 13. Adsorb spillages onto sand, earth or any suitable adsorbent material. Collect spillage. Transfer to a lidded container for disposal or recovery.

6.4 Reference to other sections

See Also Section: 8, 13.

IPA ISOPROPYL ALCOHOL CLEANING SOLVENT

7. SECTION 7: HANDLING AND STORAGE





- 7.1 Precautions for safe handling** Provide adequate ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing spray. Wear protective gloves/eye protection. Wash hands thoroughly after handling.
- 7.2 Conditions for safe storage, including any incompatibilities**
 Storage Temperature Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Store locked up.
 Storage Life Do not expose to temperatures exceeding 50°C/ 122°F.
 Incompatible materials Stable under normal conditions.
 None anticipated.
- 7.3 Specific end use(s)** A safe cleaning solvent for quickly removing dirt/ grime/ general soiling and moisture from electrical equipment and rubber/ plastic components.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Propan-2-ol	67-63-0	400	999	500	1250	WEL
Butane	106-97-8	600	1450	750	1810	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

- 8.1.2 Biological limit value** Not established.
- 8.1.3 PNECs and DNELs** Not established.
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls** Provide adequate ventilation.
- 8.2.2 Personal protection equipment**
- Eye/face protection  Wear eye protection with side protection (EN166).
- Skin protection (Hand protection/ Other)  Wear suitable gloves if prolonged skin contact is likely.
- Respiratory protection  Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.
- Thermal hazards  Not applicable.
- 8.2.3 Environmental Exposure Controls** Do not allow into any sewer on the ground, or into any body of water.



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9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	White / Clear.
Odour	Alcohol-like / Solvent.
Odour Threshold	Not available.
pH	Not applicable.
Melting Point/Freezing Point	Not applicable.
Initial boiling point and boiling range	- 24 °C
Flash Point	- 42 °C
Evaporation rate	Not applicable.
Flammability (solid, gas)	Extremely flammable.
Upper/lower flammability or explosive limits	2.0 – 18.6 Vol-%
Vapour pressure	5200 hPa @ 20°C
Vapour density	Not available.
Relative density	Not applicable.
Density (g/ml)	0.693g/ml @ 20°C
Solubility(ies)	Miscible with: Water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	235 °C
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Contains gas under pressure; may explode if heated.
Oxidising properties	Not oxidising.

9.2 Other information

Organic solvents	100 %
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10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reaction known if used for its intended purpose.
10.4 Conditions to avoid	Heat and direct sunlight.
10.5 Incompatible materials	None anticipated.
10.6 Hazardous Decomposition Product(s)	No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Mixtures

Acute toxicity	May cause drowsiness or dizziness.
Inhalation	
Irritation	Causes serious eye irritation.
Corrosivity	Not classified.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	None anticipated.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	None anticipated.

11.2 Other information

None.



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12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Low toxicity to aquatic organisms.
12.2	Persistence and degradability	Readily biodegradable. Unlikely to persist.
12.3	Bioaccumulative potential	The product has low potential for bioaccumulation.
12.4	Mobility in soil	Miscible with: Water. The product is predicted to have high mobility in soil.
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility.
13.2	Additional Information	Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1	UN number	UN 1950
14.2	UN Proper Shipping Name	
	ADR/RID/IMDG	AEROSOLS.
	ICAO/IATA	AEROSOLS, Flammable.
14.3	Transport hazard class(es)	
	ADR/RID	2
	IMDG/ ICAO/IATA	2.1
14.4	Packing Group	None.
14.5	Environmental hazards	Not classified as a Marine Pollutant.
14.6	Special precautions for user	None.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8	Additional Information	
14.8.1	ADR Classification Code	5F Gases.
14.8.2	Hazard label(s)	2.1
14.8.3	IMDG	EmS: F-D, S-U

15. SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	
	Authorisations and/or restrictions on use	
	Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
	REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	All chemicals are not listed.
	REACH: ANNEX XIV List of substances subject to authorisation	All chemicals are not listed.
	Community Rolling Action Plan (CoRAP); Draft: 26/03/2014	All chemicals are not listed.
15.1.2	National regulations	
	Wassergefährdungsklasse (Germany)	Propan-2-ol: WGK 1 (slightly hazardous to water).

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15.2 Chemical Safety Assessment

Not available.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
ADN	European transport by inland waterways
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
ICAO	International transport by air
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
RID	European transport by rail
WGK	Wassergefährdungsklasse
Aerosol 1	Aerosol Category 1
Eye Irrit. 2	Serious eye damage/irritation Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3
Flam. Gas 1	Flammable gas Category 1
Flam. Liq. 2	Flammable liquid Category 2
Press. Gas	Gases under pressure

Hazard Statement(s) and Precautionary Statement(s)

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.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/eye protection/face protection.
P312	Call a POISON CENTER/doctor if you feel unwell.
P405	Store locked up.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

Hazard Pictogram(s)

GHS02



GHS04





IPA ISOPROPYL ALCOHOL CLEANING SOLVENT

GHS07



Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose.

Action Can Ltd. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Action Can Ltd. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

Annex to the extended Safety Data Sheet (eSDS)

No information available.