



SAFETY DATA SHEET



ADH1610 100% Isopropyl Alcohol Wipe

Page 1 of 6
Dated 13/01/2017

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008.

SECTION 1: Identification of the substance/mixture and the company/undertaking	
1.1. Product Identifier	
Product Name	Adhere ADH1610 100% Isopropyl Alcohol Wipe
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Intended use	Surface cleaning and disinfection
1.3. Details of the supplier of the safety data sheet	
Name	Intertronics
Full address	17 Station Field Industrial Estate Banbury Road Kidlington, Oxfordshire OX5 1JD England
Email address of the competent person responsible for the Safety Data Sheet	msds@intertronics.co.uk
1.4. Emergency telephone number	
For urgent enquiries refer to	+44 1865 842842

SECTION 2: Hazards identification	
2.1. Classification of the substance or mixture	
Classification under CHIP:	F; R11 Highly Flammable Xi; R36 Irritating to eyes R67 Vapours may cause drowsiness and dizziness
Classification under CLP:	Flam. Liq. 2 H225 Highly flammable liquid and vapour Eye Irrit. 2 H319 Causes serious eye irritation STOT SE 3: H336 May cause drowsiness or dizziness
2.2. Label elements	
Hazard statements:	H225: Highly flammable liquid and vapour H319: Causes serious eye irritation H336: May cause drowsiness or dizziness P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention.
Signal words:	Danger
Hazard pictograms:	 

Label elements under CHIP:	Highly Flammable; Irritant
Hazard symbols:	 
Risk phrases:	R11: Highly Flammable
Safety phrases:	R36: Irritating to eyes R67: Vapours may cause drowsiness and dizziness. S2: Keep out of the reach of children. S16: Keep away from sources of ignition - No smoking. S24/25: Avoid contact with skin and eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
2.3. Other hazards	
In confined spaces, vapours may build up to form flammable vapour/air mixtures.	

SECTION 3: Composition/information on ingredients			
3.1. Substances			
Not applicable – product is a mixture			
3.2. Mixtures			
Isopropanol impregnated onto a paper tissue			
Name	CAS or EC No	Concentration	Classification
Propan-2-ol (Isopropanol)	CAS 67-63-0 EC 200-661-7 Reg. No. 01-2119457558-25-0000	100%	F; R11 Xi; R36 R67 <i>In accordance with DSD 67/548/EEC</i>
			Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336 <i>In accordance with CLP 1272/2008</i>

SECTION 4: First aid measures	
4.1. Description of first aid measures	
Eye contact:	Wash thoroughly with water for several minutes and obtain medical attention if signs of discomfort.
Ingestion:	If swallowed, rinse mouth with water.
Skin contact:	Wash off with soap and water.
Inhalation:	Remove from exposure. If breathing becomes difficult call a doctor.
4.2. Most important symptoms and effects, both acute and delayed	
Eye contact:	If liquid from the wipe gets into the eye it may cause redness, stinging, watering of the eye.
Ingestion:	Ingestion of the liquid may cause irritation to the mouth and throat, and symptoms similar to inhalation.
Skin contact:	Prolonged skin contact may cause drying of the skin.
Inhalation:	Symptoms unlikely from use of small numbers of wipes, but inhalation of large amounts may cause headaches, dizziness, unconsciousness.
4.3. Indication of any immediate attention and special treatment needed	
Immediate / special treatment: Symptomatic treatment as required.	

SECTION 5: Firefighting measures	
5.1. Extinguishing media	Water spray, alcohol resistant foam, dry powder and carbon dioxide extinguishers are suitable.
5.2. Special hazards arising from the substance or mixture	No special hazards.
5.3. Advice for firefighters	Fire fighters should wear protective clothing and breathing apparatus as appropriate.

SECTION 6: Accidental release measures	
6.1. Personal precautions, protective equipment and emergency procedures	Exclude unnecessary personnel. Open doors and windows to ensure good ventilation. Eliminate ignition sources.
6.2. Environmental precautions.	Prevent entry into sewers and watercourses.
6.3. Methods and material for containment and cleaning up	Collect wipes and place in a sealable container for disposal.
6.4. Reference to other sections	See section 8 and 13 for further advice.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	Ensure adequate ventilation. Avoid contact with eyes and prolonged contact with skin. Keep away from sources of ignition.
7.2. Conditions for safe storage, including any incompatibilities	Store in its original labelled container in a cool, well ventilated area, away from heat, sparks and other sources of ignition. Keep out of reach of children and animals.
7.3. Specific end use(s)	No special precautions.

SECTION 8: Exposure controls/personal protection			
8.1. Control parameters			
Workplace exposure limits:			
Substance	8 hour exposure limit	15 minute exposure limit	Source, Type
Isopropanol	400 ppm (999 mg/m ³)	500 ppm (1250 mg/m ³)	EH40 2011
DNELS:			
DNELS			
	Worker	General Population	
	Chronic Effects	Chronic Effects	
Human Oral		26 mg/kg	
Human Dermal	888 mg/kg/day	319 mg/kg	
Human Inhalation	500 mg/m ³	89 mg/m ³	

PNECS:

PNEC Aqua (Freshwater)	140.9 mg/l
PNEC Aqua (Marine Water)	140.9 mg/l
PNEC Sediment	552 mg/kg
PNEC Soil	28 mg/kg

8.2. Exposure controls

Engineering measures:	Normal room ventilation is expected to be adequate. If large numbers of wipes are being used in an enclosed space then additional local exhaust ventilation may be required.
Respiratory protection:	Not normally required
Hand protection:	If large numbers of wipes or prolonged contact is expected, then suitable gloves may be required. Butyl rubber, nitrile rubber, Viton (fluoroelastomer) may be suitable, but glove manufacturers recommendations should always be checked.
Eye protection:	If large numbers of wipes are being used, then safety glasses or goggles may be appropriate.
Skin protection:	If large numbers of wipes or prolonged contact is expected, then suitable protective clothing should be worn. Remove protective clothing when contaminated and wash before reuse.
Environmental Exposure Controls:	Not normally required.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance:	Clear liquid absorbed onto towelling
Odour:	Alcoholic odour
Odour threshold:	Approximately 22 ppm (propan-2-ol)
pH:	Approximately neutral
Boiling point / range:	82°C at 1013 hPa (propan-2-ol)
Melting point / range °C:	-89°C (propan-2-ol)
Flash point °C:	Approx. 18°C (70% propan-2-ol)
Evaporation rate:	1.7 (n-Butyl Acetate=1) (propan-2-ol)
Flammability:	Flammable
Upper/lower flammability limits:	2-12% (propan-2-ol)
Vapour pressure:	42 hPa at 20°C (propan-2-ol)
Vapour density:	2.07 (Air=1) (propan-2-ol)
Relative density:	0.7855 g/cm ³ at 20°C (propan-2-ol)
Solubility in water:	Completely miscible
Solubility in other solvents:	Miscible with diethyl ether and ethanol
Partition coefficient (log Kow):	0.05 at 25°C (propan-2-ol)
Autoignition temperature:	> 399°C (propan-2-ol)
Decomposition temperature:	No decomposition when used under normal conditions
Viscosity:	2.5 mPas at 20°C (propan-2-ol)
Explosive properties:	Not classified as explosive
Oxidising properties:	Not classified as oxidising

9.2. Other information

None

SECTION 10: Stability and reactivity**10.1. Reactivity**

Not considered to be reactive.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None expected.

10.4. Conditions to avoid

Avoid exposure to high and freezing temperatures.

10.5. Incompatible materials

Avoid contact with strong oxidisers.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

- | | |
|------------------------------------|---|
| (a) acute toxicity | Not expected to present an acute toxicity hazard
LD50 (oral, rat) >2000 mg/kg (propan-2-ol)
LD50 (dermal, rabbit) >2000 mg/kg (propan-2-ol) |
| (b) skin corrosion/irritation | Not expected to irritate to skin. Prolonged and frequent exposure may dry the skin.
Rabbit, dermal: not irritating (propan-2-ol) |
| (c) serious eye damage/irritation | If liquid from the wipe gets into the eye it may cause irritation
Rabbit, eye: irritating (propan-2-ol) |
| (d) respiratory/skin sensitization | Not expected to be sensitising
Guinea pig, Buehler test: Not sensitising (propan-2-ol) |
| (e) germ cell mutagenicity | Not expected to be mutagenic
Ames test, Salmonella typhimurium (with and without metabolic activation): not mutagenic (propan-2-ol) |
| (f) carcinogenicity | Not expected to be carcinogenic
Rat (inhalation, 2 years): NOEL 5000 ppm |
| (g) reproductive toxicity | Not expected to be reprotoxic. Animal studies for propan-2-ol gave no indication of a developmental toxic effect at doses that were not toxic to the parent animals |
| (h) STOT-single exposure | Inhalation of vapours may cause drowsiness and dizziness |
| (i) STOT-repeated exposure | NOAEL 5000 ppm propan-2-ol |
| (j) aspiration hazard | Not expected to present an aspiration hazard. |

SECTION 12: Ecological information**12.1. Toxicity**

Not expected to be toxic to the environment

Toxicity to fish: LC50: > 100 mg/l, 48 h, *Leuciscus idus melanotus*, static

Toxicity to invertebrates: EC50: > 100 mg/l, 48 h, *Daphnia magna*, static

Toxicity to algae : EC50: > 100 mg/l, 72 h, *Scenedesmus subspicatus*, static

12.2. Persistence and degradability

Propan-2-ol is readily biodegradable. The tissue component is expected to biodegrade in the environment.

12.3. Bioaccumulative potential

Propan-2-ol is readily metabolised and is not expected to bioaccumulate.

12.4. Mobility in soil

Propan-2-ol will quickly evaporate and is expected to partition into the air compartment.

12.5. Results of PBT and vPvB assessment

Propan-2-ol is not considered to be PBT or vpvB.

12.6. Other adverse effects

None known

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Wastes should be disposed of in accordance with local regulations.

Unused product may be disposed of by incineration.

For used product, consideration should be given to any contaminants before deciding on the disposal method.

SECTION 14: Transport information

This product does not need to be transported as dangerous goods, in accordance with UN 3175 Special Provision 216 (ADR/RID/IMDG) and Special Provision A46 (IATA).

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

All components are listed as existing substances in Europe

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product. A Chemical Safety Assessment has been carried out for the main component, propan-2-ol.

SECTION 16: Other information**Revision information:**

SDS reviewed – no significant changes

List of Abbreviations used in this SDS:

CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging Regulation (EC) no 1272/2008

DSD Dangerous Substances Directive 67/548/EEC

DPD Dangerous Preparations Directive 1999/45/EC

EC European Community/Commission

PBT Persistent, Bioaccumulative and Toxic

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006

vPvB very Persistent, very Bioaccumulative

References:

CLP Regulation 1272/2008

ECHA Chem database of registered substances

Suppliers SDS

Method used for classification of mixtures:

Ingredient based approaches

R Phrases and H Statements used in Section 3

R11 Highly flammable.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

H225 Highly flammable liquid and vapour

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

Training requirements for workers

No special training requirements.