

Reference: IPA wipes all types
Revision Date: 3 April 2014
Revision Number: Orig
Trade Name: IPA Wipes

1. Identification of the substance and of the company undertaking

1.1 Product identifier

Product Name: IPA Wipes
Synonyms: None

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

Identified use(s): None specific
Uses advised against: Follow supplier's recommendations on correct use of the product. Uses other than those covered by the exposure scenarios included in this safety data sheet are not supported.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Adamtech Ltd
7B Whitebridge Estate
Stone
Staffordshire
ST15 8LQ

Telephone: : 0044 (0) 1785 286660
Fax: : 0044 (0) 1785 286661

1.4 Emergency telephone number

In case of emergency call: 0044 1785 286660 (not 24 hr)

2. HAZARDS IDENTIFICATION:

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

Flam. Liq. 2; H225
Eye Irrit. 2; H319
STOT SE 3; H336

2.1.2 Classification according to Directive 67/548/EEC (CHIP)

Highly flammable (R11)
Irritant (R36)
Vapours may cause drowsiness and dizziness (R67)

2.2 Label Elements

2.2.1 Label according to Regulation (EC) No 1272/2008 (CLP)



Signal word:

Danger

Hazard Statement(s): H225: Highly flammable liquid and vapour
 H319: Causes serious eye irritation
 H336: May cause drowsiness and dizziness

Precautionary Statement(s) P102: Keep out of the reach of children
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition Sources. No smoking
 P280: Wear protective gloves/protective clothing/eye protection/face protection
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 P405: Store locked up
 P501: Dispose of contents/container to approved disposal facility

Supplementary Hazard Information (EU): P364a Wash skin thoroughly after handling
 P303/36/353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

2.2.2 Label according to Directive 67/548/EEC (CHIP)

Hazard Pictogram(s)



Indications of danger: Flammable Irritant

Hazard statements(s): R11: Highly flammable
 R36: Irritant
 R67 Vapours may cause drowsiness and dizziness

Precautionary statement(s): S2: Keep out of the reach of children
 S3: Do not breath vapour
 S24: Avoid contact with skin
 S36/37 Wear suitable protective clothing and gloves

Other Hazards

No data available

Section 3 Composition/Information on Ingredients

3.1 Substances

No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) No 1907/2006

3.2 Mixtures

Composition:

Identification	CAS No.	EC No.	(EC)1272/2008	67/548/EEC	%
Propan-2-ol	67-63-0	200-661-7	Flam Liq. 2,H225 Eye Irrit 2, H319 STOT SE 3,H336	R11 R36 R67	50<=x%<90

4. FIRST AID MEASURES

4.1 Description of first aid measures

- Inhalation:** Move exposed person to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
- Eyes:** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 20 minutes. Get medical attention.
- Skin:** : Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
- Ingestion:** : Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

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

Skin contact causes irritation, redness and pain. Repeated exposure may cause skin dryness or cracking. Eye contact may cause slight irritation, watering, redness and pain. Inhalation of vapours may cause drowsiness or dizziness. Ingestion may cause irritation of the mouth and digestive tract. If swallowed, aspiration into lungs may result in chemical pneumonia.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media: Carbon dioxide, AFFF, dry chemical

Unsuitable extinguishing media: Water jet

media:

5.2 Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

In a fire the following may be formed:

- Carbon monoxide (CO)
- Carbon dioxide (CO₂)

5.3 Advice for firefighters

A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Move undamaged containers from fire area if this can be done safely. Keep fire containers cool by spraying with water.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Avoid inhaling dust

Consult the safety measures listed under headings 7 and 8

6.1.2 For emergency responders

Keep unnecessary personnel away. Wear suitable protective clothing (see section 8). Contaminated clothing should be thoroughly cleaned.

6.2 Environmental precautions

Clean and control the leaks or spills with non-combustible absorbent material such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering the drains or waterways

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13)

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures.

6.3 Methods and materials for cleaning up

Clean preferably with a detergent, do not use solvents

7. HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled

7.1 Precautions for safe handling:

Handle in well ventilated areas

The vapours are denser than air. They can spread along the ground and form explosive mixtures with air.

Prevent the formulation of flammable or explosive concentrations in air and vapour concentrations higher than the occupational exposure limits.

Fire prevention:

Prevent the accumulation of electrostatic charges with connections to earth.

The preparation may become electrostatically charged; always place on the ground during transfer. Wear antistatic shoes and clothes and make floors of conductive materials.

Use the product where there are no naked flames or other sources of ignition and have protected electrical equipment.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures

For personal safety see section 8

Observe precautions stated on the label and also industrial safety regulations.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Avoid inhaling dust.

Prohibited equipment and procedures

Smoking, eating and drinking are prohibited in premises where the preparation is used.

Never open the packages under pressure.

7.2 Conditions for safe storage, including any incompatibilities

Keep the container tightly closed in a dry place.

Keep from all sources of ignition, heat and direct sunlight – do not smoke.

The floor must be impermeable and form a collecting basin so that in the event of an accidental spillage, the liquid cannot spread beyond this area.

7.3 Specific end use(s)

None specified

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Occupational exposure limit

- UK/WEL (Workplace exposure limits, EH40/2005, 2007):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
67-63-0	200ppm	400ppm			

8.2 Exposure Controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation to ensure that occupational exposure limits are not exceeded. Local extraction may be required. Eye wash facilities should be available in the work area. Contaminated clothing and shoes should be thoroughly washed before reuse.

8.2.2 Personal protection

Eye protection: Goggles or safety glasses with side shields giving complete protection to eyes (EN166). Depending on conditions of use, close-fitting eye protection and a face shield may be necessary

Skin protection:

Hand protection: Chemical resistant gloves (EN374). Suitable glove material butyl rubber or nitrile (breakthrough time >120 minutes). Contact glove supplier to confirm suitable glove material, thickness and breakthrough times.

Respiratory protection: Where airborne levels below the exposure limits cannot be maintained, wear an air-purifying respirator (EN140) with a type A/P2 filter or better suitable for organic gasses and vapours with a boiling point above 65°C (EN14387)

Thermal hazards: Wear suitable temperature resistant gloves and protective clothing if the product is heated

8.2.3 Environmental exposure controls

Inform environmental manager of all incidents involving this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Solid
Odour:	Mild alcohol
Odour threshold:	Not specified
pH:	Neutral
Melting/freezing point:	Not specified
Initial boiling point and range:	Not specified
Flash point:	11°C
Evaporation rate:	Not specified
Flammability (solid, gas):	Flammable
Upper/lower flammability or explosive limits:	Not specified
Vapour pressure:	Not relevant
Vapour density:	2.1
Relative density:	0.89g/cm ³
Solubility(ies):	Miscible with water
Partition coefficient: n-octanol/water	Not specified
Auto ignition temperature:	399°C
Decomposition temperature:	Not specified
Viscosity:	Not specified
Explosive properties:	Not explosive but explosive air/vapour mixtures possible
Oxidising properties:	None

9.2 Other Information

VOC (g/L) Not specified

10. STABILITY AND REACTIVITY

- 10.1 Reactivity:** No data available
- 10.2 Chemical stability:** The mixture is stable under the recommended handling and storage conditions in section 7.
- 10.3 Possibility of hazardous reactions:** When exposed to high temperatures, the mixture can release hazardous decomposition products such as carbon monoxide and dioxide fumes.
- 10.4 Conditions to avoid:** Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.
Avoid:
- accumulation of electrostatic charges
 - heating
 - heat
 - flames and hot surfaces
- 10.5 Incompatible materials:** None specified
- 10.6 Hazardous decomposition products:** Thermal decomposition may release/form:
- carbon monoxide (CO)
 - carbon dioxide (CO₂)

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Substances

Acute toxicity:

Propan-2-ol (CAS:67-63-0)

Oral route: LD 4700-5800mg/kg
Species: Rat
OECD guideline 401 (Acute Oral Toxicity)

Dermal route: LD 13000mg/kg
Species: Rat
OECD guideline 402 (Acute Dermal Toxicity)

Inhalation route: LD 19000ppm/8hr
Species: Rat
OECD guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation: Vapours cause irritation. Splashes in the eyes may cause irritation and irreversible damage.

Skin sensitisation: May cause degreasing and slight irritations to sensitive skins with prolonged contact

Respiratory sensitisation: No data

Germ cell mutagenicity: No data

Carcinogenicity: No data

Reproductive toxicity: No data

STOT – single exposure: May cause drowsiness or dizziness.

STOT – repeated exposure: No data

Aspiration hazard: No data

11.1.2 Mixture

Irritation: No data

Corrosivity: No data

Sensitisation: No data
Repeated dose toxicity: No data
Carcinogenicity: No data
Mutagenicity: No data
Toxicity for reproduction: No data

Information on likely routes of exposure

Inhalation: Inhalation of vapours irritates the respiratory tract. Exposure to high concentrations has a narcotic effect, producing symptoms of dizziness, drowsiness, headache, staggering, unconsciousness and possibly death.
Skin contact: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.
Eye contact: Splashes in the eyes may cause irritation and irreversible damage.
Ingestion Ingestion can cause drowsiness, unconsciousness, and death. Gastrointestinal pain, cramps, nausea, vomiting, and diarrhoea may also result.

Symptoms related to the physical, chemical and toxicological characteristics: Skin contact causes irritation. Repeated exposure may cause skin dryness or cracking. Eye contact may cause irritation and irreversible damage. Inhalation may result in adverse health effects such as mucus membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. If swallowed may result in adverse health effects such as mucus membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Mixture versus substance information: No data

Other information: None

12. ECOLOGICAL INFORMATION

12.1 Toxicity

12.1.1 Substances

Substances classified as category 1 acute toxicity:

Propan-2-ol (CAS:67-63-0)

Fish toxicity:

Duration of exposure: 96h

LC 9640-10400 mg/l

Species:

Algae toxicity:

Duration of exposure: 72h

LC >1000 mg/l

Species:

12.1.2 Mixtures

No aquatic toxicity data available for the mixture

Persistence and degradability: No data

Bioaccumulative potential: Will not bio-accumulate

Mobility in soil: No data

Results of PBT and vPvB: No data

Other adverse effects: No data

13. DISPOSAL CONSIDERATION

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC

13.1 Waste treatment methods

Do not pour into drains or waterways

Waste:

Waste management is carried out without endangering human health, without harming the environment and in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty soiled container completely. Keep label(s) on the container.

Give to a certified contractor.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

10 06 03 * other solvents and solvent mixtures

14. TRANSPORT INFORMATION

IATA/ICAO

- 14.1 **UN Number:** 3175
- 14.2 **UN Proper shipping name:** 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Isopropanol)
- 14.3 **Class:** 4.1 Flammable solid
- 14.4 **Packing Group:** II
- 14.5 **Environmental hazards:** Yes
- 14.6 **Special precautions for user:** Read supplier SDS instructions on correct use of the product



Red Striped-coloured Diamond

ADR

- 14.1 **UN Number:** 3175
- 14.2 **UN Proper shipping name:** 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Isopropanol)
- 14.3 **Class:** 4.1 Flammable solid
- 14.4 **Packing Group:** II
- 14.5 **Environmental hazards:** Yes
- 14.6 **Special precautions for user:** Read supplier SDS instructions on correct use of the product



Red Striped-coloured Diamond

ADN

- 14.1 **UN Number:** 3175
- 14.2 **UN Proper shipping name:** 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Isopropanol)
- 14.3 **Class:** 4.1 Flammable solid
- 14.4 **Packing Group:** II
- 14.5 **Environmental hazards:** Yes
- 14.6 **Special precautions for user:** Read supplier SDS instructions on correct use of the product



Red Striped-coloured Diamond

RID

- 14.1 **UN Number:** 3175
- 14.2 **UN Proper shipping name:** 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Isopropanol)
- 14.3 **Class:** 4.1 Flammable solid
- 14.4 **Packing Group:** II
- 14.5 **Environmental hazards:** Yes
- 14.6 **Special precautions for user:** Read supplier SDS instructions on correct use of the product



Red Striped-coloured Diamond

IMDG

- 14.1 **UN Number:** 3175
- 14.2 **UN Proper shipping name:** 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Isopropanol)
- 14.3 **Class:** 4.1 Flammable solid
- 14.4 **Packing Group:** II
- 14.5 **Environmental hazards:** Marine pollutant
- 14.6 **Special precautions for user:** Read supplier SDS instructions on correct use of the product



Red Striped-coloured Diamond

15. REGULATORY INFORMATION

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

This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 1907/2006 as amended. The product has been classified in accordance with Regulation (EC) No. 1272/2008 (CLP), Directive 67/548/EEC & Directive 1999/45/EC.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

16. Other Information

Full text of relevant R-phrases and/or H-statements:

H225: Highly flammable liquid and vapour.
H319 Causes serious eye irritation
H336: May cause drowsiness or dizziness.

Supplemental Hazard information (EU): Not applicable

Risk phrase(s):

R11 Highly flammable.
R36 Irritating to eyes
R67 R67: Vapours may cause drowsiness and dizziness.

Disclaimer:

This safety data sheet contains important information to ensure the safe storage, handling and use of this product, it does not however constitute an assessment of workplace risks.

Users are advised to refer to relevant legislation, approved codes of practice and guidance available from the Health & Safety Executive (website: <http://www.hse.gov.uk>).

Further information:

The above information is based on our current knowledge of the product. The purpose of this data sheet is to describe the product in terms of its safety and environmental requirements. It is the user's responsibility to satisfy themselves as to the application of this information and/or recommendations for their own use.