

# Arcalian Ltd

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## Wipes 200

### Material Safety

### Data Sheet



#### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: Wipes 200  
Synonyms: ISOPROPYL ALCOHOL 70%  
IPA 70%  
ISOPROPANOL 70%  
PROPAN-2-OL 70%  
Use / description of product: Alcohol impregnated surface wipe  
Company name: Arcalian Ltd, 138 Kelvin Gardens, Croydon, CR0 4US, UK

#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: PROPAN-2-OL 50-70%  
EINECS: 200-661-7 CAS: 67-63-0  
[F] R11; [Xi] R36; [-] R67  
Contains: Purified water

#### 3. HAZARDS IDENTIFICATION

Main hazards: Highly flammable.  
Irritating to eyes  
Vapours may cause drowsiness and dizziness.

#### 4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Unlikely to cause any symptoms under normal use.  
Eye contact: There may be irritation and redness.  
Ingestion: It is unlikely that this substance will be swallowed due to its physical properties.  
Convulsions may occur.  
Nausea and stomach pain may occur.  
There may be vomiting.  
Inhalation:  
Exposure may cause coughing or wheezing.

#### 4. FIRST AID MEASURES (ACTION)

Skin contact: If signs of irritation or discomfort, seek medical attention.  
Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination. Ingestion: Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible. Inhalation: Take the person outside into fresh air.

#### 5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Alcohol resistant foam.  
Exposure hazards: Highly flammable. Vapour may travel considerable distance to source of ignition and flash back. In combustion emits toxic fumes. In combustion emits toxic fumes of carbon dioxide / carbon monoxide.  
Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.  
Environmental precautions: Contain the spillage using bunding.  
Clean-up procedures: Absorb into dry earth or sand. Wash the spillage site with large amounts of water. Refer to section 13 of SDS for suitable method of disposal.

## 7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden. Storage conditions: Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Ensure lighting and electrical equipment are not a source of ignition. Suitable packaging: Must only be kept in original packaging.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure limits

WEL (8 hr exposure limit): 999 mg/m<sup>3</sup>

WEL (15 min exposure limit): 1250 mg/m<sup>3</sup>

Hazardous ingredients: PROPAN-2-OL

WEL (8 hr exposure limit): 999 mg/m<sup>3</sup> WEL (15 min exposure limit): 1250 mg/m<sup>3</sup>

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Hand protection: Protective gloves.

Eye protection: Safety goggles.

Skin protection: Protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless

Odour: Alcoholic

Evaporation rate: Moderate

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Also soluble in: Most organic solvents.

Boiling point/range°C: 83

Melting point/range°C: -90

Flammability limits %:  
lower: 2  
upper: 12

Flash point°C: 20 - 21

Autoflammability°C: 425

Vapour pressure: 41 mbar @20C

Relative density: 0.875

## 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat  
Sources of ignition  
Flames.

Materials to avoid: Oxidising agents  
Acids.  
Acid chlorides.  
Acid anhydrides.  
Alkali metals.

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

IHL RAT LC50 53-84 4hr mg/kg

ORL RAT LD50 4700-5500 mg/kg

SKN RBT LD50 12800 mg/kg

Hazardous ingredients: PROPAN-2-OL

Oral RAT LD50 5045 mg/kg

## 12. ECOLOGICAL INFORMATION

Mobility: Soluble in water.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: The product is rated as non-hazardous to aquatic species Bacterial inhibition tests have shown that the material is not inhibitory to biomass

### **13. DISPOSAL CONSIDERATIONS**

Disposal operations: Transfer to a waste solvent drum for collection by specialist disposal company  
Disposal of packaging: Rinse with water and dispose as normal industrial waste NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

### **14. TRANSPORT INFORMATION**

#### **ADR / RID**

UN no: 3175 ADR Class: 4.1  
Packing group: II Classification code: F1  
Shipping name: SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL)  
Labelling: 4.1 Hazard ID no: 40

#### **IMDG / IMO**

UN no: 3175 Class: 4.1  
Packing group: II EmS: F-A,S-I  
Marine pollutant: Labelling: 4.1

#### **IATA / ICAO**

UN no: 3175 Class: 4.1  
Packing group: II Packing instructions: 415(P&CA); 417(CAO)  
Labelling: 4.1

### **15. REGULATORY INFORMATION**

Hazard symbols: Highly flammable.  
Irritant.  
Risk phrases: R11: Highly flammable.  
R36: Irritating to eyes.  
R67: Vapours may cause drowsiness and dizziness.  
Safety phrases: S16: Keep away from sources of ignition - No smoking  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S7: Keep container tightly closed.  
S24/25: Avoid contact with skin and eyes.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

### **16. OTHER INFORMATION**

Risk phrases used in s.2: R11: Highly flammable.  
R36: Irritating to eyes.  
R67: Vapours may cause drowsiness and dizziness.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.