All Glass & Window Wipes

LOBA Chemie
LABORATORY REAGENTS & FINE CHEMICALS

MATERIAL SAFETY DATA SHEET (MSDS)

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

1.1. Product identifier

Product name : ALL GLASS & WINDOW WIPES
Product code : WGCNF

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

LOBA CHEMIE PVT.LTD.
107 Wode House Road, Jehangir Villa, Colaba
400005 Mumbai - INDIA
T: +91 22 6663 6663
info@l-hygiene.com ; www.l-hygiene.com

1.4. Emergency telephone number

Emergency number :+91 22 6663 6663

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

CAS: 63449-41-2	Benzalkonium chloride 50 % solution	0.26%
CAS: 67-63-0	Iso propyl alcohol 20%	
CAS: 34590-94-8	Di (propylene glycol) methyl ether,mixtures of isomers	2.5%
CAS: 9005-65-6 Tween 80 1%		
----	Fragrance	0.2%
CAS: 7732-18-5	Water	76%

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/m3)	500 ppm (1250 mg/m3)	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/m3	89 mg/m3

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/cm3 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 known

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 irritating 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	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 invertabrates: 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).

Land transport (ADG)
UN number : 3175
Description of the goods : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Isopropanol)
Class : 4.1
Packing group : II
Hazchem Code : 1Z
Environmentally hazardous : No
Sea transport (IMDG/IMO)
UN number : 3175
Description of the goods : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Isopropanol)
Class : 4.1
Packing group : II
Marine pollutant : No

SECTION 15: Rgulatory 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

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.