SAFETY DATA SHEET

Antibac Touchscreen Wipes

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	31.08.2015
Revision date	25.01.2018

1.1. Product identifier

Product name	Antibac Touchscreen Wipes
Article no.	603026, 603038

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

Use of the substance / preparation	Cleaning of touchscreens

1.3. Details of the supplier of the safety data sheet

Downstream user

Company name	Antibac AS
Office address	Hagaløkkveien 13
Postal address	Postboks 103
Postcode	1371
City	Asker
Country	Norway
Telephone number	+47 66 77 11 70
Fax	+4766771171
Email	post@antibac.no
Website	www.antibac.no

1.4. Emergency telephone number

Emergency telephone	Telephone number: 111 (NHS) Description: For poisoning emergencies

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to Regulation (EC) No 1272/ 2008 [CLP / GHS]	Flam. Liq. 3; H226 Eye Irrit. 2; H319
Substance / mixture hazardous properties	The information in this safety data sheet applies to the liquid in the wipes: Flammable liquid and vapour. Causes serious eye irritation.

2.2. Label elements

Hazard pictograms (CLP)

Signal word	Warning
Hazard statements	H226 Flammable liquid and vapour. H319 Causes serious eye irritation.
Precautionary statements	P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

PBT / vPvB	Not PBT / vPvB.
Health effect	May cause drowsiness or dizziness.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0 REACH Reg. No.: 01-2119457558-25	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	10 -15 %
Substance comments	See section 16 for explanation of hazard statements (H) listed above.		

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Emergency telephone number: see section 1.4. In case of unconsciousness or severe accidents, call 112.
Inhalation	Fresh air and rest. Get medical attention if any discomfort continues.
Skin contact	Wash skin with soap and water. Get medical attention if any discomfort continues.
Eye contact	Promptly rinse eyes with plenty of water (tempered at 20-30°C) for at least 15 minutes.

	Hold eyelids apart. Remove any contact lenses. Contact physician if irritation persists.
Ingestion	Unlikely because of the chemical condition. Do not induce vomiting. Get medical attention if any discomfort continues.

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

Acute symptoms and effects	High concentrations: Vapours may cause drowsiness and dizziness. Eye contact: Irritating to eyes and may cause redness and burning.
Delayed symptoms and effects	Prolonged and repeated skin contact will cause defatting and possible irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Other information	No specific information from the manufacturer. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Improper extinguishing media	Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Flammable liquid and vapour. Vapours are heavier than air and may spread near ground to sources of ignition.
Hazardous combustion products	May include, but is not limited to: Carbon monoxide (CO). Carbon dioxide (CO2).

5.3. Advice for firefighters

Personal protective equipment	Use compressed air equipment when the chemical is involved in fire. In case of evacuation, an approved protection mask should be used. See also section 8.
Other information	Containers close to fire should be removed immediately or cooled with water. Extinguishing water must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Remove all ignition sources and ventilate the area.

6.2. Environmental precautions

Environmental precautionary measures	Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Cleaning method	Collect in a suitable container and dispose as hazardous waste according to section 13.

6.4. Reference to other sections

Other instructions	See also sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Avoid contact with eyes. Provide good ventilation.

Protective safety measures

Safety measures to prevent fire	Keep away from heat / sparks / open flames / hot surfaces. — No smoking. Take precautionary measures against static discharge.
Advice on general occupational hygiene	Wash hands after contact with the chemical. Do not eat, drink or smoke during work.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in accordance with regulations for flammable goods. Store in original packaging. Store in a tightly closed container in a cool, well-ventilated room, protected from direct sunlight.

Conditions for safe storage

Advice on storage compatability	Keep away from: Oxidising material. Food and feed.

7.3. Specific end use(s)

Specific use(s)	See section 1.2.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Value	TWA Year
Propan-2-ol	CAS No.: 67-63-0	TWA (8h) : 400 ppm TWA (8h) : 999 mg/m³ **OEL short term value** Value: 500 ppm **OEL short term value** Value: 1250 mg/m³	
Other Information about threshold limit values	References (laws/regulations): EH40/2005 Workplace exposure limits, with later amendments.		

DNEL / PNEC

DNEL	Comments: Propan-2-ol: DNEL, consumer, oral, long-term exposure, systemic effect: 26 mg/kg DNEL, consumer, dermal, long-term exposure, systemic effect: 319 mg/kg DNEL, consumer, inhalation long-term exposure, systemic effect: 89 mg/m³ DNEL, workers, dermal, long-term exposure, systemic effect: 888 mg/kg/day DNEL, workers, inhalation, long-term exposure, systemic effect: 500 mg/m³

PNEC	Comments: Propan-2-ol: PNEC fresh water: 140.9 mg/l PNEC sediment in fresh water: 552 mg/kg PNEC salt water: 140.9 mg/l PNEC sediment in salt water: 552 mg/kg PNEC intermittent releases: 140.9 mg/l PNEC STP: 2251 mg/l PNEC soil: 28 mg/kg PNEC oral: 160 mg/kg of food

8.2. Exposure controls

Limitation of exposure on workplace	Provide adequate ventilation. The personal protective equipment must be CE-marked and the latest version of the standards shall be used. The protective equipment and the specified standards recommended below are only suggestions, and should be selected on advice from the supplier of such equipment. A risk assessment of the work place/work activities (the actual risk) may lead to other control measures. The protection equipments suitability and durability will depend on application.

Eye / face protection

Eye protection	Normally not necessary. Wear splash-proof eye goggles to prevent any possibility of eye contact.
Additional eye protection measures	Eye wash facilities shall be at the work place. Either a fixed eye wash facility connected to the drinking water (preferably warm water) or a portable disposable unit.

Hand protection

Hand protection	Chemical resistant gloves required for prolonged or repeated contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.
Suitable materials	Nitrile. Butyl rubber.
Breakthrough time	Comments: No specific information from the manufacturer.
Thickness of glove material	Comments: +/-0,5 mm (nitrile)
Reference to relevant standard	BS-EN 374 (Protective gloves against chemicals and micro-organisms). BS-EN 420 (Protective gloves. General requirements and test methods).

Skin protection

Skin protection (except hands)	Ordinary workwear.

Respiratory protection

Respiratory protection	Normally not required. If there is insufficient ventilation, use a respirator with type A-filter.
Reference to relevant standard	EN 14387 (Respiratory protective devices. Gas filter(s) and combined filter(s). Requirements, testing, marking).

Appropriate environmental exposure control

Environmental exposure controls	Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Wipe.
Colour	White / Colourless.
Odour	Alcohol.
Odour limit	Comments: Not specified by the manufacturer.
Melting point / melting range	Comments: Not specified by the manufacturer.
Boiling point / boiling range	Value: 82 °C Test reference: (propan-2-ol)
Flash point	Value: ~ 25 – 35 °C Method: Estimated from data for propan-2-ol and water in solution
Evaporation rate	Comments: Volatile.
Explosion limit	Value: 2,0 – 12,7 vol % Method: (propan-2-ol)
Vapour pressure	Value: 4,1 kPa Temperature: 20 °C
Vapour density	Value: > 1 Comments: Air=1.
Density	Value: 0,962 mg/l Comments: theoretical
Solubility description	The description below applies to the liquid in the wipes:
Solubility in water	Easily soluble.
Solubility in fat	Soluble in most organic solvents.
Partition coefficient: n-octanol/water	Comments: Not specified by the manufacturer.
Spontaneous combustability	Comments: Not specified by the manufacturer.
Explosive properties	Not explosive.
Oxidising properties	Not oxidizing.

9.2. Other information

Other physical and chemical properties

Comments	No further information is available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No test data available. Vapors may form explosive mixtures with air.

10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Arise in contact with incompatible materials (section 10.5).

10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid	Strong oxidising substances.

10.6. Hazardous decomposition products

Hazardous decomposition products	None under normal conditions. See also section 5.2.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other toxicological data	Propan-2-ol: NOAEL (oral, rat): 870 mg/kg body weight/day LD50 (oral, rat): 4396 mg/kg body weight/day LD50 (dermal, rat): 12800 mg/kg body weight/day LC50 (inhalation, rat): 46600 mg/m³ Skin irritation (rabbit): slightly irritating (OECD 404) Eye irritation (rabbit): irritating (CD 405) NOAEL (fertility, oral, rat): 407 mg/kg body weight/day NOAEL (development, oral, rat): 400 mg / kg body weight/day NOEL (carcinogenicity, oral, rat): non carcinogenic (OECD 416) Skin sensitization (guinea pig): non-sensitizing (OECD 406) NOAEL (inhalation, rat): 12500 mg/m³ (OECD 451) NOEL (carcinogenicity, inhalation, mouse): 12500 mg/m³ Mutagenicity: negative (OECD 471) Genotoxicity (in vitro): non-genotoxic (OECD 476) Genotoxicity (in vivo, mouse): non-genotoxic (OECD 474)

Other information regarding health hazards

Assessment of acute toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of skin corrosion / irritation, classification	Based on available data, the classification criteria are not met.
Assessment of eye damage or irritation, classification	Causes serious eye irritation.
Assessment of respiratory sensitisation, classification	Based on available data, the classification criteria are not met.

Assessment of skin sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of germ cell mutagenicity, classification	Based on available data, the classification criteria are not met.
Assessment of carcinogenicity, classification	Based on available data, the classification criteria are not met.
Assessment of reproductive toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ SE, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ toxicity RE, classification	Based on available data, the classification criteria are not met.
Assessment of aspiration hazard, classification	Based on available data, the classification criteria are not met.

Symptoms of exposure

In case of ingestion	Unlikely because of the chemical condition. However, ingestion may cause irritation and malaise. Ingestion may cause similar symptoms to those resulting from inhalation.
In case of skin contact	Repeated exposure may cause skin dryness or cracking.
In case of inhalation	High concentrations: Vapours may cause drowsiness and dizziness.
In case of eye contact	Irritating to eyes and may cause redness and burning.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	Propan-2-ol: LC50 (fish, acute): 9640 mg/l (Pimephales promelas) EC50 (daphnia, acute): 13299 mg/l (Daphnia magna) LC50 (algae): > 1000 mg/l (Scenedesmus subspicatus) NOEC (daphnia, chronic): 30 mg/l (Daphnia magna) The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2. Persistence and degradability

Persistence and degradability, comments	The liquid in the wipes is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	Not expected to bioaccumulate.

12.4. Mobility in soil

Mobility	The product contains organic solvents which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

PBT assessment results	The mixture does not meet current criteria for PBT (Persistent, bioaccumulative and toxic).
vPvB evaluation results	The mixture does not meet current criteria for vPvB (very persistent and very bioaccumulative).

12.6. Other adverse effects

Other adverse effects, comments	Do not allow to enter into sewer, water system or soil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Wipes from which the liquid part has evaporated competely is not hazardous waste. Unused wipes: Disposed of as hazardous waste by approved contractor. The waste code (EWC-Code) is intented as a guide. The code must be chosen by the user, if the use differs from the one mentioned below.
EWC waste code	EWC waste code: 200129 detergents containing dangerous substances

SECTION 14: Transport information

14.1. UN number

ADR / RID / ADN	3175
IMDG	3175
ICAO / IATA	3175
Comments	May be transported in limited quantities if placed in outer packaging according to ADR 3.4, when max. 1 kg/inner packaging and max. 30 kg total gross mass. Shrink– or stretch wrapped trays may be used and shall not exceed 20 kg total gross mass/tray. Individually packaged wipes are exempt from ADR requirements according to SP 216.

14.2. UN proper shipping name

ADR / RID / ADN	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
Technical name / danger releasing substance ADR / RID / ADN	propan-2-ol
IMDG	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
Technical name / danger releasing substance IMDG	propan-2-ol
ICAO / IATA	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
Technical name / danger releasing substance ICAO	propan-2-ol

14.3. Transport hazard class(es)

ADR / RID / ADN	4.1

IMDG	4.1
ICAO / IATA	4.1

14.4. Packing group

ADR / RID / ADN	II
IMDG	II
ICAO / IATA	II

14.5. Environmental hazards

IMDG Marine pollutant	No

14.6. Special precautions for user

Special safety precautions for user	Follow loading regulations in ADR/RID/IMDG/ICAO-TI

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Pollution category	Not relevant.

ADR / RID - Other information

ADR additional information	Tunnel restriction code (E)
Hazard No.	40

IMDG / ICAO / IATA Other information

IMDG Additional information	Fp 25-35 °C c.c.
EmS	F-A, S-I

SECTION 15: Regulatory information

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

References (laws/regulations)	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP-regulation) with later amendments. Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH Regulation), with later amendments. Dangerous Goods regulations European Waste Catalogue and Hazardous Waste List

15.2. Chemical safety assessment

Chemical safety assessment performed	No

SECTION 16: Other information

Supplier's notes	The information contained in this SDS must be made available to all those who handle

	the product.
List of relevant H-phrases (Section 2 and 3)	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
Classification according to Regulation (EC) No 1272/ 2008 [CLP / GHS]	Flam. Liq. 3; H226 Eye Irrit. 2; H319
Abbreviations and acronyms used	DNEL: Derived No Effect Level EC50: The effective concentration of substance that causes 50% of the maximum response IC50: The concentration of compound that results in 50% inhibition of a biological or biochemical function. LC50: Median concentration lethal to 50% of a test population. LD50: Lethal dose, is the amount of a substance given to a group of test animals, which causes the death of 50%. NOAEL: No observed adverse effect level. NOEC: No observed effect concentration NOEL: No Obserced Effect Level. The highest tested dose or exposure level at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group. PBT: Persistent, Bioaccumulative and Toxic PNEC: Predicted No Effect Concentration vPvB: very Persistent and very Bioaccumulative
Information added, deleted or revised	Sections being revised since previous version: 2.3, 3.2, 8.1, 9.1, 11.1, 12.1, 16
Checking quality of information	This SDS is quality controlled by Kiwa Teknologisk Institutt in Norway, certified according to the Quality Management System requirements specified in ISO 9001:2008.
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