



# SAFETY DATA SHEET

In accordance with REACH Regulation EC No. 1907/2006  
as amended by EC 453/2010

Product: **Hand & Surface Disinfectant Wipes  
(Alcohol Free)**

Version: Version 3  
Supersedes: Version 2: dated 01/07/2014

Date: 28/04/2015  
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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

1.1 **Product identifier** Hand & Surface Disinfection Wipes (Alcohol Free)

**Other means of identification**

RBHSD1000AFJAN BK183

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

**Uses:** A wet wipe with biocidal activity for cleaning and disinfecting surfaces etc.  
Effective against MRSA, C-Diff & H1N1.

**Not to be used for:**

1.3 **Details of the supplier of the Safety Data Sheet**

**Company Name:** Jangro Ltd

**Address:** Jangro House  
Worsley Road  
Farnworth  
Bolton  
BL4 9LU

**Telephone:** 01204 795955

**Fax:** 01204 579499

**E-mail:** enquiries@jangrohq.net

**Web Site** www.jangro.net

1.4 **Emergency telephone number**

**Telephone:** National Poisons Information Service (UK) +44 (0)844 8920111

## SECTION 2: HAZARDS IDENTIFICATION

2.1 **Classification of the substance or mixture**

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- 67/548/EEC

**Main hazards.**

- EC 1272/2008

Eye Irrit. 2: H319; Skin Sens. 1: H317:

**2.2 Label elements**



**Signal Word**

Warning

**Hazard Statement**

Eye Irrit. 2: H319 - Causes serious eye irritation.  
Skin Sens. 1: H317 - May cause an allergic skin reaction.

**Precautionary Statement:  
Prevention**

P102 - Keep out of reach of children.  
P103 - Read label before use.  
P264 - Wash thoroughly after handling.

**Precautionary Statement:  
Response**

P101 - If medical advice is needed, have product container or label at hand.  
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321 - Specific treatment (see on this label).  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.

**2.3 Other hazards**

This product does not contain any PBT or VPvB substances.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

**3.1 Substances**

67/548/EEC / 1999/45/EC



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Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides		85409-23-0	287-090-7		0 – 0.5%	C; R34 Xn; R22 N; R50
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides		68391-01-5	269-919-4		0 – 0.5%	C; R34 Xn; R22 N; R50
D-Limonene	601-029-00-7	5989-27-5	227-813-5		0 – 0.05%	R10 Xi; R38 R43 N; R50/53
3,7-dimethylocta-2,6-dienal (Citral)		5392-40-5	226-394-6		0 – 0.05%	Xi ; R38-R43
3,7-dimethyloct-6-en-1-ol (Citronellol)		106-22-9	203-375-0		0 – 0.01%	Xi-N ; R38-R43-R51/53
linalool		78-70-6	201-134-4		0 – 0.001%	H315, H319
3,7-Dimethylocta-2,6-dien-1-ol (Geraniol)		106-24-1	203-377-1		0 – 0.001%	H315, H317, H318

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides		85409-23-0	287-090-7		0 – 0.5%	Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides		68391-01-5	269-919-4		0 – 0.5%	Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;

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D-Limonene	601-029-00-7	5989-27-5	227-813-5	0 – 0.05%	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
3,7-dimethylocta-2,6-dienal (Citral)		5392-40-5	226-394-6	0 – 0.05%	SCI 2-SS 1;H315, H317, H411
3,7-dimethyloct-6-en-1-ol (Citronellol)		106-22-9	203-375-0	0 – 0.01%	SCI 2-SS 1;H315 H317
linalool		78-70-6	201-134-4	0 – 0.001%	H315, H319
3,7-Dimethylocta-2,6-dien-1-ol (Geraniol)		106-24-1	203-377-1	0 – 0.001%	H315, H317, H318

**3.2 Mixtures** See section 3.1 for further information.

**Further information** For full text of H-statements and R-phrases: see SECTION 16.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

Inhalation	Inhalation is highly unlikely due to liquid impregnated on a fabric substrate. Considered to be not hazardous by inhalation. Seek medical attention if irritation or symptoms persist.
Eye contact	Eye contact is unlikely due to liquid impregnated on a fabric substrate. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin contact	No irritation of the skin expected. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion is highly unlikely due to liquid impregnated on a fabric substrate. Rinse mouth thoroughly. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

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



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Inhalation	No specific symptoms noted.
Eye contact	May cause eye irritation.
Skin contact	May Cause skin irritation.
Ingestion	No specific symptoms noted.

**4.3 Indication of any immediate medical attention and special treatment needed** If you feel unwell, seek medical advice (show the label where possible). No specific first aid measures noted.

## SECTION 5: FIREFIGHTING MEASURES

- 5.1 Extinguishing media** This product is not flammable. Use extinguishing media appropriate to the surrounding fire conditions.
- 5.2 Special hazards arising from the substance or mixture** In the event of a large fire toxic fumes containing oxides of carbon may be formed, which would necessitate the use of a self-contained breathing apparatus.
- 5.3 Advice for firefighters** Standard protective equipment should be worn by fire fighters, in particular eye / face protection.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** Avoid contact of the impregnating fluid with the eyes and skin.
- 6.2 Environmental precautions** Large spillages are highly unlikely due to liquid impregnated on a fabric substrate. Advise local authorities if large spills cannot be contained. Do not allow product to enter drains. Do not flush into surface water. Prevent further spillage if safe.
- 6.3 Methods and material for containment and cleaning up** Large spillages are highly unlikely due to liquid impregnated on a fabric substrate. Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
- 6.4 Reference to other sections** For recommended personal protective equipment see Section 8. For disposal see Section 13.

## SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Avoid contact with eyes and skin.



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Adopt best Manual Handling considerations when handling, carrying and dispensing.

- 7.2 **Conditions for safe storage, including any incompatibilities** Keep out of the reach of children. Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Do NOT allow to freeze.
- 7.3 **Specific end use** No relevant information available.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 **Control parameters** The product is impregnated onto a fabric substrate so free liquid will not be available and exposure significantly mitigated.
- 8.1.1 **Exposure Limit Values** -
- 8.2 **Exposure controls**
- 8.2.1 **Appropriate engineering Controls** Keep in a cool, dry, well ventilated area.
- 8.2.2 **Individual protection measures** None
- 8.2.3 **Environmental exposure controls** Do not empty into drains. Do not flush into surface water. Prevent further spillage if safe.
- 8.2.3. **Further information** Information valid at the time of review of safety data sheet.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 **Information on basic physical and chemical properties**
- a Appearance: White nonwoven fabric impregnated with a colourless solution.

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b	Odour:	Characteristic Lemon odour.
c	Odour threshold:	Not available.
d	pH:	6.0 – 7.0
e	Melting point / freezing point:	Not available.
f	Initial boiling point and boiling range:	Not available.
g	Flash point:	Not determined.
h	Evaporation rate:	Not available.
i	Flammability (solid, gas):	Not applicable.
j	Upper / lower flammability or explosive limits:	Not available.
k	Vapour pressure:	Not available.
l	Vapour density:	Not available.
m	Relative density:	0.99 – 1.00
n	Solubility(ies):	Impregnating fluid immiscible with water.
o	Partition coefficient: n-octanol / water:	Completely immiscible with water.
p	Auto-ignition temperature:	Not available.
q	Decomposition temperature:	Not available.
r	Viscosity:	Water thin.
s	Explosive properties:	Not available.
t	Oxidising properties:	Not available.
<b>9.2</b>	<b>Other information</b>	None available.

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity** This preparation is stable under normal conditions of storage / use and no chemical incompatibility is known.

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<b>10.2</b>	<b>Chemical Stability</b>	Stable under recommended storage and handling conditions. The product is not flammable.
<b>10.3</b>	<b>Possibility of hazardous reactions</b>	Strong acids and Strong bases. Strong oxidising agents.
<b>10.4</b>	<b>Conditions to avoid</b>	Avoid excessive heat. Do Not allow to freeze.
<b>10.5</b>	<b>Incompatible materials</b>	Strong acids and Strong bases. Strong oxidising agents.
<b>10.6</b>	<b>Hazardous decomposition products</b>	Combustion of the product will generate toxic fumes containing oxides of carbon may be formed.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity	Based on available data the classification criteria are not met.
Skin corrosion / irritation	May cause skin irritation..
Serious eye damage / irritation	May cause eye irritation.
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	Not classified as a specific target organ toxicant after a single exposure.
STOT-repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	Based on available data the classification criteria are not met.

### 11.1.4 Toxicological Information

Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	Oral Rat LD50: 301 - 2000 mg/kg
Quaternary ammonium compounds, C12-14-	Oral Rat LD50: 301 - 2000 mg/kg



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alkyl[(ethylphenyl)methyl]di  
methyl, chlorides

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Quaternary ammonium  
compounds, benzyl-C12-18-  
alkyldimethyl, chlorides

Daphnia EC50/48h: 0.016 mg/l

Quaternary ammonium  
compounds, C12-14-  
alkyl[(ethylphenyl)methyl]di  
methyl, chlorides

Daphnia EC50/48h: 0.016 mg/l

D-Limonene

Daphnia EC50/48h: 0.400000 mg/l  
Fathead minnows LC50/96h: 0.71 mg/l

Algae IC50/72h: 4.000000 mg/l

### 12.2 Persistence degradability

**and** The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in the Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### 12.3 Bio accumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

### 12.6 Other adverse effects

Not known.

## SECTION 13: DISPOSAL CONSIDERATION

### 13.1 Waste treatment methods

Contact a licensed waste disposal company. Dispose of as special waste in compliance with local and national regulations. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

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- |      |                                                                                   |                                                                           |
|------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 14.2 | <b>UN proper shipping name</b>                                                    | -                                                                         |
| 14.3 | <b>Transport hazard class(es)</b>                                                 | This preparation is not classified as "Hazardous" for transport purposes. |
| 14.4 | <b>Packing group</b>                                                              |                                                                           |
| 14.5 | <b>Environmental hazards</b>                                                      |                                                                           |
| 14.6 | <b>Special precautions for user</b>                                               | Not applicable.                                                           |
| 14.7 | <b>Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC Code</b> | Not applicable.                                                           |

## SECTION 15: REGULATORY INFORMATION

- |      |                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15.1 | <b>Safety, health and environmental regulations / legislation specific for the substance or mixture</b> | Commission Directive 2000/39/EC of 8 June 2000 established a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work. |
| 15.2 | <b>Chemical safety assessment</b>                                                                       | No assessment has been carried out.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## SECTION 16: OTHER INFORMATION

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R34 Causes burns  
Harmful if swallowed

**Text of risk phrases in  
Section 3**

R10 - Flammable  
R22 - Harmful if swallowed  
R24 - Causes burns  
R38 - Irritating to skin.  
R41 - Risk of serious damage to eyes  
R43 - May cause sensitisation by skin contact.  
R50 - Very toxic to aquatic organisms  
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Text of Hazard Statements  
in Section 3**

Flam. Liq. 3: H226 - Flammable liquid and vapour.  
Acute Tox. 4: H302 - Harmful if swallowed.  
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.  
Skin Irrit. 2: H315 - Causes skin irritation.  
H318: Causes serious eye damage  
Skin Sens. 1: H317 - May cause an allergic skin reaction.  
H319: Causes serious eye irritation  
Aquatic Acute 1: H400 - Very toxic to aquatic life.  
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.  
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects

**Glossary**

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road  
IATA International Air Transport Association  
IMDG International Maritime Dangerous Goods  
PBT Persistent, bio accumulative, toxic  
RID Convention concerning International Carriage by Rail  
vPvB very persistent, very bio accumulative  
STOT Specific Target Organ Toxicity  
WEL Workplace Exposure Limit.

**General Information**

No relevant information required

**Further Information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy, reliability or completeness. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. It is the user's

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responsibility to satisfy him/herself as to the suitability of such information for his /  
her own particular use.

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