

MAS ASIA TRADING LIMITED

MAS ASIA TRADING LIMITED RM 602, EASTERN COMM CTR 397 HENNESSY ROAD, WAN CHAI HONG KONG

SGS Job No. : GZCPCH170400912 - GZ
Sample Name : MAS Industrial hand cleaning wipes
End Uses : Industrial hand cleaning
Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : 05 Apr 2017
SDS Preparation Period : 05 Apr 2017 – 05 May 2017

Service Requested : Safety Data Sheet (SDS) for the sample with submitted composition.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2015/830, and is provided per attached.

Remark:

The SDS is prepared based on the information provided by client.

Signed for and on behalf of

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



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Approved Signatory



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Center Chemical Laboratory.

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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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Safety Data Sheet

1907/2006/EC, 1272/2008/EC





Printing date 05.05.2017

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

- **1.1 Product identifier**
- **Trade name:** MAS Industrial hand cleaning wipes
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** Industrial hand cleaning
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:** MAS ASIA TRADING LIMITED
- **Full address:**
MAS ASIA TRADING LIMITED RM 602, EASTERN COMM CTR 397 HENNESSY ROAD, WAN CHAI HONG KONG
- **Phone number:** +86-021-56532713
- **Email:** 215@hknbc.com
- **Only Representative / other EU contact point:** Not available
- **Further information obtainable from:** MAS ASIA TRADING LIMITED
- **1.4 Emergency telephone number:**
UNITED KINGDOM
National Poisons Information Service
Tel: +44 (0) 344 892 0111 (for healthcare professional)
+44 (0) 845 46 47 (in England or Wales)
+44 (0) 8454 24 24 24 (in Scotland)
+86-18022011836 Michael
- **1.5 Reference Number:** GZCPCH170400912 - GZ, CANCPCH1705535701

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
-  GHS02 flame
- Flam. Liq. 2 H225 Highly flammable liquid and vapour.
-  GHS07
- Eye Irrit. 2 H319 Causes serious eye irritation.
- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- **Classification system:**
The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**
-  
- GHS02 GHS07
- **Signal word** Danger
- **Hazard statements**
H225 Highly flammable liquid and vapour.

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H319 Causes serious eye irritation.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

Contains 5-chloro-2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

· **2.3 Other hazards:**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of listed hazard statements refer to section 16.

· **Composition:**

CAS: 7732-18-5 EINECS: 231-791-2	water	58.179%
CAS: 9003-07-0	Polypropylene	16.666667%
CAS: 9002-88-4	polyethylene	16.666667%
CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5	ethanol ⚠ Flam. Liq. 2, H225	5.333333%
CAS: 96-48-0 EINECS: 202-509-5	γ-butyrolactone ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; STOT SE 3, H336	2.666667%
CAS: 54549-25-6 EINECS: 259-218-1	Decyl D-glucoside	0.333333%
CAS: 9005-64-5 NLP: 500-018-3	Sorbitan monolaurate, ethoxylated	0.1%
CAS: 5989-27-5 EINECS: 227-813-5 Index number: 601-029-00-7	(R)-p-mentha-1,8-diene ⚠ Flam. Liq. 3, H226; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	0.03200-0.03733%
CAS: 61792-11-8 EINECS: 263-214-5	3,7-dimethylnona-2,6-dienitrile ⚠ Aquatic Chronic 2, H411	0.00053-0.00267%
CAS: 8000-41-7 EINECS: 232-268-1	Terpineol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	0.00053-0.00267%

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CAS: 106-22-9 EINECS: 203-375-0	Citronellol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	0.00053-0.00267%
CAS: 106-24-1 EINECS: 203-377-1	Geraniol ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	0.00053-0.00267%
CAS: 78-70-6 EINECS: 201-134-4	linalool ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	0.00053-0.00267%
CAS: 5392-40-5 EINECS: 226-394-6 Index number: 605-019-00-3	Citral ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	0.00053-0.00267%
CAS: 18479-58-8 EINECS: 242-362-4	2,6-dimethyloct-7-en-2-ol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	0.00053-0.00267%
CAS: 5413-60-5 EINECS: 226-501-6	3a,4,5,6,7,7a-hexahydro-4,7-methanoinden-6-yl acetate Aquatic Chronic 3, H412	0.00053-0.00267%
CAS: 586-62-9 EINECS: 209-578-0	p-mentha-1,4(8)-diene ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	0.00053-0.00267%
CAS: 115-95-7 EINECS: 204-116-4	Linalyl acetate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	0.00053-0.00267%
CAS: 26172-55-4 EINECS: 247-500-7	5-chloro-2-methyl-2H-isothiazol-3-one ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	0.000750%
CAS: 2682-20-4 EINECS: 220-239-6	2-methyl-2H-isothiazol-3-one ⚠ Acute Tox. 3, H331; ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400; ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317; STOT SE 3, H335	0.000250%

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed:**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂ powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture:** No further relevant information available.

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- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures:**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water source.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Do not flush with water or aqueous cleansing agents
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **6.4 Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling:** For the general occupational hygienic measures refer to Section 8.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s):** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

64-17-5 ethanol (5.333333%)

WEL (Great Britain)	Long-term value: 1920 mg/m ³ , 1000 ppm
AGW (Germany)	Long-term value: 960 mg/m ³ , 500 ppm 2(II);DFG, Y
VME (France)	Short-term value: 9500 mg/m ³ , 5000 ppm Long-term value: 1900 mg/m ³ , 1000 ppm

96-48-0 γ -butyrolactone (2.666667%)

MAK (Germany)	vgl.Abschn.IIb
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5989-27-5 (R)-p-mentha-1,8-diene (<0.03733%)

AGW (Germany)	Long-term value: 28 mg/m ³ , 5 ppm 4(II);DFG, H, Sh, Y
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106-24-1 Geraniol (<0.00266%)

MAK (Germany) Dampf und Aerosol; vgl.Abschn.IV

26172-55-4 5-chloro-2-methyl-2H-isothiazol-3-one (0.000750%)MAK (Germany) Long-term value: 0.2E mg/m³
vgl.Abschn.Xc**2682-20-4 2-methyl-2H-isothiazol-3-one (0.000250%)**

MAK (Germany) vgl. Abschn. IIb und Xc

- **DNELs:** Not available
- **PNECs:** Not available

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.

· **Appropriate engineering controls:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.
- See Section 7 for information about design of technical facilities.

· **Personal protective equipment**

- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Appearance

· Form:	Liquid
· Colour:	Semitransparent
· Odour:	Lemon
· Odour threshold:	Not available

· pH-value: Not available

· Change in condition

· Melting point/freezing point:	Not available
· Initial boiling point and boiling range:	Not available
· Freezing point:	Not available

· Flash point: Not available

· Flammability (solid, gas): Not available

· Auto-ignition temperature: Not available

· Decomposition temperature: Not available

· Self-igniting: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits

· Lower:	Not available
· Upper:	Not available

· Oxidizing properties: Not available

· Vapour pressure: Not available

· Density: Not available

· Relative density: Not available

· Vapour density: Not available

· Evaporation rate: Not available

· Solubility in / Miscibility with water: Not available

· Partition coefficient: n-octanol/water: Not available

· Viscosity

· Dynamic:	Not available
· Kinematic:	Not available

· 9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity: Data not available

· 10.2 Chemical stability: Data not available

· 10.3 Possibility of hazardous reactions: No dangerous reactions known.

· 10.4 Conditions to avoid: No further relevant information available.

· 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous decomposition products: No dangerous decomposition products known.

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SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

64-17-5 ethanol

Oral	LD50	7060 mg/kg (rat)
Inhalative	LC50/4 h	20000 mg/l (rat)

96-48-0 γ -butyrolactone

Oral	LD50	1540 mg/kg (rat)
Dermal	LD50	5000 mg/kg (gui)

5392-40-5 Citral

Oral	LD50	4960 mg/kg (rat)
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5989-27-5 (R)-p-mentha-1,8-diene

Oral	LD50	4400 mg/kg (rat)
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- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation:**
Causes serious eye irritation.
- **Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability:** No further relevant information available.
- **12.3 Bioaccumulative potential:** No further relevant information available.
- **12.4 Mobility in soil:** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.
- **12.7 Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

<ul style="list-style-type: none"> · 14.1 UN-Number · ADR/RID/ADN, IMDG, IATA 	UN1993	
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR/RID/ADN · IMDG · IATA 	1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)) FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)) FLAMMABLE LIQUID, N.O.S. (ETHANOL)	
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR/RID/ADN, IMDG, IATA 	<div style="text-align: center;">  </div> <ul style="list-style-type: none"> · Class · Label 	3 Flammable liquids. 3
<ul style="list-style-type: none"> · 14.4 Packing group · ADR/RID/ADN, IMDG, IATA 	II	
<ul style="list-style-type: none"> · 14.5 Environmental hazards 	Not applicable.	
<ul style="list-style-type: none"> · 14.6 Special precautions for user: · Danger code (Kemler): · EMS Number: 	Warning: Flammable liquids. 33 F-E, <u>S-E</u>	
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: 	Not applicable.	
<ul style="list-style-type: none"> · 14.8 Transport/Additional information: 	<hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> · ADR/RID/ADN · Limited quantities (LQ): · Excepted quantities (EQ) · Transport category: · Tunnel restriction code: · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	IL Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml 2 D/E IL Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<ul style="list-style-type: none"> · UN "Model Regulation": 	UN 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)), 3, II	

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SECTION 15: Regulatory information

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

· **MAK(German Maximum Workplace Concentration)**

64-17-5 ethanol

5

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category P5c** FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

· **National regulations:**

· **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **Other regulations, limitations and prohibitive regulations**

· **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (12/1/2017)**

None of the ingredients is listed

· **REACH Regulation Annex XVII Restriction (3/2/2017)**

See Section 16 for information about restriction of use.

None of the ingredients is listed

· **REACH Regulation Annex XIV Authorisation List (14/8/2014)**

None of the ingredients is listed

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

· **Relevant hazard statements**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H331 Toxic if inhaled.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reason, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 2: Flammable liquids – Category 2
 Flam. Liq. 3: Flammable liquids – Category 3
 Acute Tox. 3: Acute toxicity – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Corr. 1B: Skin corrosion/irritation – Category 1B
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Skin Sens. 1: Skin sensitisation – Category 1
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

End of document

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