

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

1.1. Product identifier

Product form : Towellete, mixture
Product name. : Sani-Com[®] 3205
Product group : Trade product
Product code : LB-2031F/1
Part number : EUSC-3205 series
BAuA Registration No. : N-75808

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

1.2.1. Relevant identified uses

Use of the substance/preparation : Product for use as a hand biocide and/or surface cleaner

1.2.2. Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

Celeste Industries Corporation
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Reading
Berkshire, RG6 1PT, England
Tel +44 (0) 1189 637930

Home Office:

Celeste Industries Corporation
8221 Teal Drive, Suite 405
Easton, Maryland 21601 (USA)
Within USA: (410) 822-5775
International: 00 (1) 410-822-5775
e-mail: info@celestecorp.com

1.4. Emergency telephone number

Emergency contact number : For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident call CHEMTREC (24 hours) within USA and CANADA: 1-800-424-9300
Outside USA and Canada (collect call accepted): 1-703-527-3883

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq., Category 3: H226

Adverse physicochemical, human health and environmental effects

No additional information available.

2.2. Label elements

Classification according to CLP Regulation (EC) No 1272/2008

Hazard Pictogram :



Signal Word : Warning

Hazard Statement : H226 – Flammable liquid and vapor.

Precaution Statement : P102 – Keep out of reach of children.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH, annex XIII.
This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Safety Data Sheet

according to Regulation (EC) No. 453/2010

This mixture is a solution containing Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides. The substances classified according to Regulation (EC) 1272/2008 present in this mixture are report.

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethanol	(CAS No.) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5	21- 22 %	Flam. Liq. 2, H225
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	(CAS No.) 68391-01-5 (EC no) 269-919-4	0.10 %	Acute Tox. 4, H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400

The remaining components are either not hazardous or below the reporting threshold.

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : If respiratory irritation occurs upon inhalation, remove to fresh air. Seek medical attention if symptoms develop or persist.
- First-aid measures after skin contact : When symptoms occur: rinse immediately with plenty of water.
- First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes.
- First-aid measures after ingestion : Seek medical attention immediately. If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink. Do not induce vomiting.

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

- Symptoms/injuries after skin contact : Intended for hand use without causing irritation but if contacts other skin areas that may become irritated.
- Symptoms/injuries after eye contact : May cause irritation to the eyes.
- Symptoms/injuries after inhalation : May cause chronic nasal passage, throat, or lung irritation if breathed over a prolonged period of time in the form of a mist.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media: : Dry chemical powder, water spray, alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Contains a flammable ingredient, however is classified a non-flammable liquid. According to Annex VI of Directive 67/548/EEC, a mixture having a flash point greater than 21°C and less than 55°C is classified non-flammable if the mixture could not in any way support combustion.

5.3. Advice for firefighters

- Protective equipment for firefighters : Extra personal protection: complete protective clothing including self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Refer to section 8.

6.1.2. For emergency responders

- Protective equipment : Refer to section 8.

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. For large spills, dike with dirt, then remove by vacuum truck for disposal.

6.4. Reference to other sections

Refer to sections 8 and 13.

Safety Data Sheet

according to Regulation (EC) No. 453/2010

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with eyes. Avoid breathing mist or vapor . Keep away from any source of heat, ignition, open flame-NO SMOKING .
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures: : Provide adequate ventilation.
- Storage condition(s) : Store in dry, cool, well-ventilated area.

7.3. Specific end use(s)

This product is for use as a hand biocide.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethanol (64-17-5)		
Austria	MAK (mg/m ³)	1900 mg/m ³
Austria	MAK (ppm)	1000 ppm
Austria	MAK Short time value (mg/m ³)	3800 mg/m ³
Austria	MAK Short time value (ppm)	2000 ppm
Belgium	Limit value (mg/m ³)	1907 mg/m ³
Belgium	Limit value (ppm)	1000 ppm
France	VLE (mg/m ³)	9500 mg/m ³
France	VLE (ppm)	5000 ppm
France	VME (mg/m ³)	1900 mg/m ³
France	VME (ppm)	1000 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	960 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	500 ppm
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	1884 mg/m ³
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	1000 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	1900 mg/m ³
USA NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm
USA OSHA	OSHA PEL (TWA) (mg/m ³)	1900 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
Spain	VLA-ED (mg/m ³)	1910 mg/m ³
Spain	VLA-ED (ppm)	1000 ppm
Switzerland	VLE (mg/m ³)	1920 mg/m ³
Switzerland	VLE (ppm)	1000 ppm
Switzerland	VME (mg/m ³)	960 mg/m ³
Switzerland	VME (ppm)	500 ppm
United Kingdom	WEL TWA (mg/m ³)	1920 mg/m ³
United Kingdom	WEL TWA (ppm)	1000 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	1000 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	530 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	3000 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	1590 ppm
Denmark	Grænseværdie (langvarig) (mg/m ³)	1900 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	1000 ppm
Denmark	Grænseværdie (kortvarig) (mg/m ³)	3800 mg/m ³
Denmark	Grænseværdie (kortvarig) (ppm)	2000 ppm
Finland	HTP-arvo (8h) (mg/m ³)	1900 mg/m ³
Finland	HTP-arvo (8h) (ppm)	1000 ppm
Finland	HTP-arvo (15 min)	2500 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	1300 ppm
Hungary	AK-érték	1900 mg/m ³
Hungary	CK-érték	7600 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	1900 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	1000 ppm

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Ethanol (64-17-5)		
Lithuania	IPRV (mg/m ³)	1000 mg/m ³
Lithuania	IPRV (ppm)	500 ppm
Lithuania	TPRV (mg/m ³)	1900 mg/m ³
Lithuania	TPRV (ppm)	1000 ppm
Lithuania	NRV (mg/m ³)	1900 mg/m ³
Lithuania	NRV (ppm)	1000 ppm
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	950 mg/m ³
Norway	Gjennomsnittsverdier (AN) (ppm)	500 ppm
Poland	NDS (mg/m ³)	1900 mg/m ³
Slovakia	NPHV (priemerná) (mg/m ³)	960 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	500 ppm
Slovakia	Upozornenie (SK)	krátkodobý kategória II.
Canada (Quebec)	VEMP (mg/m ³)	1880 mg/m ³
Canada (Quebec)	VEMP (ppm)	1000 ppm
Australia	TWA (mg/m ³)	1920 mg/m ³
Australia	TWA (ppm)	1000 ppm

8.2. Exposure controls

Appropriate engineering controls	: Ensure adequate ventilation.
Personal protective equipment	: Normally not required when used as intended.
Hand protection	: Product is designed for use on hands.
Eye protection	: Normally not required if used as intended.
Skin and body protection	: Normally not required if used as intended.
Respiratory protection	: Normally not required if used as intended.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Saturated towellete
Appearance	: Clear liquid
Colour	: Colourless
Odour	: Pleasant.
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Solidification point	: No data available
Boiling point	: 82.2 °C
Flash point	: 36.1 °C
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: 2.07
Relative density	: 0.96 g/cm ³
Solubility	: Soluble in water
Log Pow	: No data available
Log Kow	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available

9.2. Other information

No data available

Safety Data Sheet

according to Regulation (EC) No. 453/2010

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Strong oxidizing agents, strong reducing agents

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Ethanol (64-17-5)	
LD50 oral rat	10470 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified (according to Directive 67/548 EEC and 1999/45/EC)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified (No classification for mutagenicity as none of the components is classified for mutagenicity)
Carcinogenicity	: Not classified (No classification for carcinogenicity as none of the components is classified for carcinogenicity)
Reproductive toxicity	: Not classified (No classification for reproduction as none of the components is toxic for reproduction)
Specific target organ toxicity (single exposure)	: Not classified (None of the components shows specific effects in acute toxicity studies requiring classification for Specific Target Organ Systemic Toxicity single exposure)
Specific target organ toxicity (repeated exposure)	: Not classified (None of the components shows specific effects in acute toxicity studies requiring classification for Specific Target Organ Systemic Toxicity repeated exposure)
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ethanol (64-17-5)	
LC50 fishes	> 14200 mg/l 96 hours
LC50 other aquatic organisms	5012 mg/l 48 hours- daphnia
EC50 Daphnia	454 mg/l
NOEC (acute)	9.6 mg/l Daphnia magna
ErC50 (algae)	275 mg/l
ErC50 (other aquatic plants)	4432 mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

FOAMING ALCOHOL HAND SANITIZER	
This substance/mixture does not meet the PBT criteria of REACH, annex XIII.	
This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.	

12.6. Other adverse effects

No additional information available

Safety Data Sheet

according to Regulation (EC) No. 453/2010

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Regional legislation (waste) : Dispose of contents/container to comply with applicable local, national and international regulations.
- Waste disposal recommendations : Comply with local regulations for disposal.

SECTION 14: Transport information

In accordance with DOT/ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. Domestic (USA) DOT Shipping Regulation

This material is an aqueous solution of alcohol containing less than 24% alcohol by volume and more than 50% water. Per 49 CFR, 173.150 (e) this solution is non-regulated for ground or water transport. Packets with an applicator containing small quantities (less than 10 mL) of this solution are considered "Solids containing flammable liquid, n. o. s.; UN3175" and are not subject to IATA DGR per Special Provision A46.

HAZMAT MARKING:

Domestic(US): n/a

14.2. UN proper shipping name

- Proper shipping name : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.(ETHANOL)
- Transport document description : UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL), 4.1, II, (E)

14.3. Transport hazard class(es)

- Class (UN) : 4.1
- Hazard labels (UN) : 4.1



14.4. Packing group

- Packing group (UN) : II

14.5. Environmental hazards

- Other information : This material is an aqueous solution of alcohol containing less than 24% alcohol by volume and more than 50% water.

14.6. Special precautions for user

14.6.1. Overland transport

- Hazard identification number (Kemler No.) : 40
- Classification code : F1
- Orange plates :



- Tunnel restriction code : E
- Limited quantities (ADR) : LQ08
- Excepted quantities (ADR) : E2
- EAC code : 1Z

14.6.2. Transport by sea

Not regulated.

14.6.3. Air transport

Not subject to IATA DGR.

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

This safety data sheet has been compiled according to the requirements of Regulation (EC) No 1907/2006.

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Benzalkonium chloride is an active substance currently being reviewed in accordance with Regulation (EU) No 528/2012 concerning the placing of biocidal products on the market.

Other regulations, restrictions and prohibition regulations : Conforms to Regulation (EC) No. 1907/2006, Annex II (REACH), as amended by (EU) No. 453/2010

15.1.2. National regulations

German BAuA Registration Number: N-75808

15.2. Chemical safety assessment

CSA has not been established

SECTION 16: Other information

Sources of Key data : SDS, ECHA.
Abbreviations and acronyms : ACGIH (American Conference of Government Industrial Hygienists). ASTM - American Society for Testing and Materials . CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. EC - European Community. GHS - Globally Harmonised System. HMIS - Hazardous Materials Identification System. MSDS - Material Safety Data Sheet. OSHA - Occupational Safety and Health Administration. Overland transport (ADR). PEL- Permissible Exposure Level. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. Relat - Relative. SDS - Safety Data Sheet . STEL- Short-Term Exposure Limit . TLV- Threshold Limit Value. TWA- Time Weighted Average.

Full text of H- and EUH-phrases:

Flam. Liq. 3	Flammable liquid Category 3
H226	Flammable liquid and vapour
Flam. Liq. 2	Flammable liquids Category 2
H225	Highly flammable liquid and vapour
Acute Tox. 4	Acute toxicity category 4
H302	Harmful if swallowed.
Skin Corr. 1B	Skin corrosive category 1B
H314	Causes severe skin burns and eye damage.
Aquatic Acute 1	Acute aquatic toxicity category 1
H400	Very toxic to aquatic life.

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