

Section: 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

ECOLAB

| | Product name | : | : INCIDIN FOAM | |
|-----|---------------------------------|---|------------------------------|--|
| | Product code : 104255E | | 104255E | |
| | Use of the Substance/Mixture | : | Surface Disinfectant | |
| | Substance type: | : | Mixture | |
| | | | | |
| | | | For professional users only. | |
| | Product dilution information | • | | |
| 1.2 | | | | |

| Recommended restrictions | : | Reserved for industrial and professional use. |
|--------------------------|---|---|
| on use | | |

1.3 Details of the supplier of the safety data sheet

| Company | Ecolab Ltd. PO Box 11; Winnington Avenue Northwich, Cheshire, United Kingdom CW8 4DX + 44 (0)1606 74488 ccs@ecolab.com |
|---------|--|
| | ccs@ecolab.com |

1.4 Emergency telephone number

| Emergency telephone number | : | Food & Beverage, Institutional, Agriculture, Textile Hygiene: Northwich: +44 (0)1606 74488 Healthcare Leeds: +44 (0)113 232 2480 Healthcare Swansea: +44 (0)1235 239670 |
|--|---|--|
| Poison Information Centre telephone number | : | Not Available |

| Date of Compilation/Revision | : | 08.06.2016 |
|------------------------------|---|------------|
| version | : | 1.2 |

Section: 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

| Flammable liquids, Category 3 | |
|-------------------------------|--|
| Eye irritation, Category 2 | |

H226 H319

| Specific target organ toxicity - single exposure, Category 3, Central Nervous System | H336 | | |
|---|------------|--|--|
| Classification (67/548/EEC, 1999/45/EC) | | | |
| Xi; IRRITANT | R10 R36 | | |

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

| Hazard pictograms | | ! |
|--------------------------|---------------------------------------|--|
| Signal Word | : Warning | |
| Hazard Statements | : H226 H319 H336 | Flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness. |
| Precautionary Statements | : Prevention: P210 P280e | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear eye protection/face protection. |

R67

Hazardous components which must be listed on the label: propan-2-ol

2.3 Other hazards

None known.

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous components

| Chemical Name | CAS-No. EC-No. REACH No. | ClassificationREGULATION (EC) No 1272/2008 | Concentration: [%] |
|-----------------------|--|---|-----------------------|
| propan-2-ol | 67-63-0 200-661-7 01-2119457558-25 | Flammable liquids Category 2; H225 Eye irritation Category 2; H319 Specific target organ toxicity - single exposure Category 3; H336 | >= 10 - < 20 |
| Benzalkonium chloride | 68424-85-1 270-325-2 | Acute toxicity Category 4; H302 Skin corrosion Category 1B; H314 Serious eye damage Category 1; H318 Acute aquatic toxicity Category 1; H400 Chronic aquatic toxicity Category 1; H410 | >= 0.1 - < 0.25 |

| glucoprotamin | 164907-72-6 403-950-8 | Acute toxicity Category 4; H302 Acute toxicity Category 2; H330 Skin corrosion Category 1B; H314 Serious eye damage Category 1; H318 Acute aquatic toxicity Category 1; H400 | < 0.1 |
|----------------------------|--|--|-----------------|
| Substances with a work | place exposure limit : | | |
| ethanol | 64-17-5 200-578-6 01-2119457610-43 | Flammable liquids Category 2; H225 | >= 5 - < 10 |
| butanone | 78-93-3 201-159-0 01-2119457290-43 | Flammable liquids Category 2; H225 Eye irritation Category 2; H319 Specific target organ toxicity - single exposure Category 3; H336 | >= 0.1 - < 0.25 |
| For the full text of the H | -Statements mentioned | in this Section, see Section 16. | |
| tion: 4. FIRST AID ME | ASURES | | |

4.1 Description of first aid measures

| In case of eye contact | : | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention. |
|-------------------------|---|---|
| In case of skin contact | : | Rinse with plenty of water. |
| If swallowed | : | Rinse mouth. Get medical attention if symptoms occur. |
| If inhaled | : | Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur. |

4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

4.3 Indication of immediate medical attention and special treatment needed

Section: 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

| Suitable extinguishing media | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
|--------------------------------|---|
| Unsuitable extinguishing media | : High volume water jet |

5.2 Special hazards arising from the substance or mixture

| Specific hazards during | : Fire Hazard |
|-------------------------|--|
| firefighting | Keep away from heat and sources of ignition. |
| | Flash back possible over considerable distance. |
| | Beware of vapours accumulating to form explosive concentrations. |
| | Vapours can accumulate in low areas. |

| INCIDIN FOAM | |
|---|--|
| Hazardous combustion products | Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) Sulphur oxides Oxides of phosphorus |
| 5.3 Advice for firefighters | |
| Special protective equipment for firefighters | : Use personal protective equipment. |
| Further information | : Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes. |

Section: 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

| Advice for non-emergency personnel | : | Remove all sources of ignition. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8. |
|---------------------------------------|---|--|
| Advice for emergency responders | : | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. |

6.2 Environmental precautions

| Environmental precautions | : Do not allow contact with soil, surface or ground water. |
|---------------------------|--|
|---------------------------|--|

6.3 Methods and materials for containment and cleaning up

| Methods for cleaning up | : | Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain |
|-------------------------|---|---|
| | | material to ensure runoff does not reach a waterway. |

6.4 Reference to other sections

See Section 1 for emergency contact information. For personal protection see section 8. See Section 13 for additional waste treatment information.

Section: 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

| Advice on safe handling | : Avoid contact with skin and eyes. Do not breathe |
|-------------------------|--|
| | dust/fume/gas/mist/vapours/spray. Use only with adequate |
| | ventilation. Keep away from fire, sparks and heated surfaces. |
| | Take necessary action to avoid static electricity discharge (which |
| | might cause ignition of organic vapours). Wash hands thoroughly |
| | after handling. Open drum carefully as content may be under |
| | pressure. |

| INCIDIN FOAM | |
|---|--|
| Hygiene measures | : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. |
| 7.2 Conditions for safe storage | e, including any incompatibilities |
| Requirements for storage areas and containers | : Keep away from heat and sources of ignition. Keep in a cool, well- ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers. |
| Storage temperature | : 0 °C to 25 °C |
| 7.3 Specific end uses | |
| Specific use(s) | : Surface disinfectant. Manual process Medical devices . Manual process Medical devices ; Spray and wipe process |

Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | | Value type (Form | Control parameters | Basis |
|---------------------|---------|---------|--------------------------|------------------------------------|-------------------|
| | | | of exposure) | | |
| propan-2-ol | 67-63- | 0 | TWA | 400 ppm | UKCOSSTD |
| | | | | 999 mg/m3 | |
| | | | STEL | 500 ppm | UKCOSSTD |
| | | | | 1,250 mg/m3 | |
| ethanol | 64-17- | 5 | TWA | 1,000 ppm | UKCOSSTD |
| | | | | 1,920 mg/m3 | |
| Further information | 2 | Where | e no specific short-term | exposure limit is listed, a figure | three times the |
| | | long-te | erm exposure should b | e used | |
| butanone | 78-93- | 3 | TWA | 200 ppm | UKCOSSTD |
| | | | | 600 mg/m3 | |
| Further information | Sk | Can b | e absorbed through sk | in. The assigned substances are | e those for which |
| | | there a | are concerns that derm | al absorption will lead to system | nic toxicity. |
| | | | STEL | 300 ppm | UKCOSSTD |
| | | | | 899 mg/m3 | |
| Further information | Sk | Can b | e absorbed through sk | in. The assigned substances are | e those for which |
| | | there a | are concerns that derm | nal absorption will lead to system | nic toxicity. |

Biological occupational exposure limits

| Substance name | CAS-No. | Control parameters | Sampling time | Basis |
|----------------|---------|--|---------------|-------------|
| butanone | 78-93-3 | butan-2-one: 70 micromol per litre (Urine) | After shift | GB EH40 BAT |

DNEL

| propan-2-ol | • | End Use: Workers Exposure routes: Dermal Potential health effects: Long-term systemic effects Value: 888 mg/cm2 |
|-------------|---|--|
| | | End Use: Workers Exposure routes: Inhalation |

| Potential health effects: Long-term systemic effects Value: 500 mg/m3 |
|--|
| End Use: Consumers Exposure routes: Dermal Potential health effects: Long-term systemic effects Value: 319 mg/cm2 |
| End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 89 mg/m3 |
| End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term systemic effects Value: 26 ppm |

PNEC

| PNEC | | | | |
|-------------|---|--|--|--|
| propan-2-ol | : Fresh water Value: 140.9 mg/l | | | |
| | Marine water Value: 140.9 mg/l | | | |
| | Intermittent use/release Value: 140.9 mg/l | | | |
| | Fresh water Value: 552 mg/kg | | | |
| | Marine sediment Value: 552 mg/kg | | | |
| | Soil Value: 28 mg/kg | | | |
| | Sewage treatment plant Value: 2251 mg/l | | | |
| | Oral Value: 160 mg/kg | | | |

8.2 Exposure controls

Appropriate engineering controls

| Engineering measures | : | Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards. |
|-----------------------------|-----|--|
| Individual protection measu | res | |
| Hygiene measures | : | Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. |

| Eye/face protection (EN 166) | : | Safety goggles Face-shield |
|--|---|--|
| Hand protection (EN 374) | : | No special protective equipment required. |
| Skin and body protection (EN 14605) | : | No special protective equipment required. |
| Respiratory protection (EN 143, 14387) | : | None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Use certified respiratory protection equipment meeting EU requirements(89/656/EEC, 89/686/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization. |
| | | |

Environmental exposure controls

| General advice | : Co | onsider the provision of containment around storage vessels. |
|----------------|------|--|
|----------------|------|--|

Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| Appearance | : liquid |
|--|--|
| Colour | : light yellow |
| Odour | : citrus |
| рН | : 8.0, 100 % |
| Flash point | : 24 °C closed cup |
| Odour Threshold | : Not applicable and/or not determined for the mixture |
| Melting point/freezing point | : Not applicable and/or not determined for the mixture |
| Initial boiling point and boiling range | : Not applicable and/or not determined for the mixture |
| Evaporation rate | : Not applicable and/or not determined for the mixture |
| Flammability (solid, gas) | : Not applicable and/or not determined for the mixture |
| Upper explosion limit | : Not applicable and/or not determined for the mixture |
| Lower explosion limit | : Not applicable and/or not determined for the mixture |
| Vapour pressure | : Not applicable and/or not determined for the mixture |
| Relative vapour density | : Not applicable and/or not determined for the mixture |
| Relative density | : 0.95 |
| Water solubility | : soluble |
| Solubility in other solvents | : Not applicable and/or not determined for the mixture |
| Partition coefficient: n- octanol/water | : Not applicable and/or not determined for the mixture |
| Auto-ignition temperature | : Not applicable and/or not determined for the mixture |
| Thermal decomposition | : Not applicable and/or not determined for the mixture |
| Viscosity, kinematic | : Not applicable and/or not determined for the mixture |

| Explosive properties | : | Not applicable and/or not determined for the mixture |
|----------------------|---|--|
| Oxidizing properties | : | The substance or mixture is not classified as oxidizing. |

9.2 Other information

Not applicable and/or not determined for the mixture

Section: 10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) Sulphur oxides Oxides of phosphorus

Section: 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

| Information on likely routes of exposure | : | Inhalation, Eye contact, Skin contact |
|--|---|--|
| Product | | |
| Acute oral toxicity | : | There is no data available for this product. |
| Acute inhalation toxicity | : | There is no data available for this product. |
| Acute dermal toxicity | : | There is no data available for this product. |
| Skin corrosion/irritation | : | There is no data available for this product. |
| Serious eye damage/eye | : | There is no data available for this product. |
| | | |

| irritation | |
|-----------------------------------|---|
| Respiratory or skin sensitization | : There is no data available for this product. |
| Carcinogenicity | : There is no data available for this product. |
| Reproductive effects | : There is no data available for this product. |
| Germ cell mutagenicity | : There is no data available for this product. |
| Teratogenicity | : There is no data available for this product. |
| STOT - single exposure | : There is no data available for this product. |
| STOT - repeated exposure | : There is no data available for this product. |
| Aspiration toxicity | : There is no data available for this product. |
| Components | |
| Acute oral toxicity | : propan-2-ol LD50 rat: 5,840 mg/kg |
| | Benzalkonium chloride LD50 rat: 344 mg/kg |
| | ethanol LD50 rat: 10,470 mg/kg |
| Components | |
| Acute inhalation toxicity | : propan-2-ol 4 h LC50 rat: > 30 mg/l |
| | glucoprotamin 4 h LC50 rat: 0.3 mg/l |
| | ethanol 4 h LC50 rat: 117 mg/l |
| Components | |
| Acute dermal toxicity | : propan-2-ol LD50 rabbit: 12,870 mg/kg |
| | Benzalkonium chloride LD50 rabbit: 3,340 mg/kg |
| | ethanol LD50 rabbit: > 15,800 mg/kg |
| Potential Health Effects | |
| Eyes | : Causes serious eye irritation. |
| Skin | : Health injuries are not known or expected under normal use. |
| Ingestion | : Health injuries are not known or expected under normal use. |

| Inhalation | Inhalation may cause central nervous system effects. | | |
|--------------------------------|---|--|--|
| Chronic Exposure | : Health injuries are not known or expected under normal use. | | |
| Experience with human exposure | | | |
| Eye contact | Redness, Pain, Irritation | | |
| Skin contact | No symptoms known or expected. | | |
| Ingestion | No symptoms known or expected. | | |
| Inhalation | Dizziness, Drowsiness | | |

Section: 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

| Environmental Effects | : | This product has no known ecotoxicological effects. | |
|---|----|--|--|
| Product | | | |
| Toxicity to fish | : | no data available | |
| Toxicity to daphnia and other aquatic invertebrates | : | no data available | |
| Toxicity to algae | : | no data available | |
| Components | | | |
| Toxicity to fish | : | propan-2-ol 96 h LC50 Pimephales promelas (fathead minnow): 9,640 mg/l | |
| | | ethanol 96 h LC50 Pimephales promelas (fathead minnow): > 100 mg/l | |
| Components | | | |
| Toxicity to daphnia and other aquatic invertebrates | : | propan-2-ol LC50 Daphnia magna (Water flea): > 10,000 mg/l | |
| | | Benzalkonium chloride 48 h EC50 Daphnia magna (Water flea): 0.016 mg/l | |
| Components | | | |
| Toxicity to algae | : | glucoprotamin 72 h EC50: > 0.01 mg/l | |
| 12.2 Persistence and degradabili | ty | | |
| Product | | | |
| Biodegradability | : | The surfactants contained in the product are biodegradable according to the requirements of the detergent regulation 648/2004/EC | |
| Components | | | |

Result: Readily biodegradable.

Benzalkonium chloride Result: Biodegradable

glucoprotamin Result: Readily biodegradable.

ethanol Result: Readily biodegradable.

butanone Result: Readily biodegradable.

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

Product

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

no data available

Section: 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with the European Directives on waste and hazardous waste.Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

13.1 Waste treatment methods

| Product | Where possible recycling is preferred to disposal or recycling is not practicable, dispose of in complian regulations. Dispose of wastes in an approved was facility. | ce with local |
|-----------------------------------|--|---|
| Contaminated packaging | Dispose of as unused product. Empty containers s o an approved waste handling site for recycling or not re-use empty containers. Dispose of in accorda state, and federal regulations. | disposal. Do |
| Guidance for Waste Code selection | Organic wastes containing dangerous substances. s used in any further processes, the final user must assign the most appropriate European Waste Cata s the responsibility of the waste generator to deter oxicity and physical properties of the material generator determine the proper waste identification and dispon compliance with applicable European (EU Directive | st redefine and logue Code. It mine the erated to osal methods in |

and local regulations.

Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

| Land transport (ADR/ADN/RID) 14.1 UN number 14.2 UN proper shipping name 14.3 Transport hazard class(es) 14.4 Packing group 14.5 Environmental hazards 14.6 Special precautions for user | : : : : : | 1993 FLAMMABLE LIQUID, N.O.S. (Ethanol, Isopropanol) 3 III No None |
|---|-----------|---|
| Air transport (IATA) 14.1 UN number 14.2 UN proper shipping name 14.3 Transport hazard class(es) 14.4 Packing group 14.5 Environmental hazards 14.6 Special precautions for user | | 1993 Flammable liquid, n.o.s. (Ethanol, Isopropanol) 3 III No None |
| Sea transport (IMDG/IMO) 14.1 UN number 14.2 UN proper shipping name 14.3 Transport hazard class(es) 14.4 Packing group 14.5 Environmental hazards 14.6 Special precautions for user 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | | 1993 FLAMMABLE LIQUID, N.O.S. (Ethanol, Isopropanol) 3 III No None Not applicable. |

Section: 15. REGULATORY INFORMATION

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

| according to Detergents | : | less than 5 %: Non-ionic surfactants |
|-------------------------|---|---|
| Regulation EC 648/2004 | | Other constituents: Perfumes, Disinfectants |

National Regulations

Take note of Dir 94/33/EC on the protection of young people at work.

| Other regulations: The Chemicals (Hazard Information and Packagi Regulations. The Control of Substances Hazardous to Health Health and Safety at Work Act. | Regulations. |
|---|--------------|
|---|--------------|

15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

Section: 16. OTHER INFORMATION

Full text of H-Statements

| H225 | Highly flammable liquid and vapour. |
|------|---|
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 -Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration. Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition

Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Prepared by : Regulatory Affairs

Numbers quoted in the MSDS are given in the format: 1,000,000 = 1 million and 1,000 = 1 thousand. 0.1 = 1 tenth and 0.001 = 1 thousandth

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.

ANNEX: EXPOSURE SCENARIOS

DPD+ Substances:

The following substances are the lead substances that contribute to the mixture Exposure Scenario according to the DPD+ Rule:

| Route | oute Substance | | EINECS-No. | |
|---------------------|-----------------------|------------|------------|--|
| Ingestion | No lead substance | | | |
| Inhalation | propan-2-ol | 67-63-0 | 200-661-7 | |
| Dermal | No lead substance | | | |
| Eyes | propan-2-ol | 67-63-0 | 200-661-7 | |
| aquatic environment | Benzalkonium chloride | 68424-85-1 | 270-325-2 | |

Physical properties DPD+ Substances:

| Substance | Vapour pressure | Water solubility | Pow | Molar Mass |
|-----------------------|-----------------|------------------|-----|-------------|
| propan-2-ol | 6,020 Pa | | | 60.10 g/mol |
| Benzalkonium chloride | < 0.0000001 hPa | 403 g/l | | |

To calculate if your downstream Operating Conditions and Risk management Measures are safe, please calculate your risk factor at the website below:

www.ecetoc.org/tra

Short title of Exposure : Surface disinfectant. Manual process Scenario

Coontaine

Use descriptors

| Main User Groups | : | Professional uses: Public domain (administration, education, entertainment, services, craftsmen) |
|-------------------------------------|---|--|
| Sectors of end-use | : | SU22: Professional uses: Public domain (administration, education, entertainment, services, craftsmen) |
| Process categories | : | PROC10: Roller application or brushing PROC8a: Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at non-dedicated facilities |
| Product categories | : | PC35: Washing and cleaning products (including solvent based products) |
| Environmental Release Categories | : | ERC8a: Wide dispersive indoor use of processing aids in open systems |
| Short title of Exposure Scenario | : | Medical devices ; Spray and wipe process |
| Use descriptors | | |
| Main User Groups | : | Professional uses: Public domain (administration, education, entertainment, services, craftsmen) |
| Sectors of end-use | : | SU22: Professional uses: Public domain (administration, education, entertainment, services, craftsmen) |
| Process categories | : | PROC10: Roller application or brushing PROC11: Non industrial spraying PROC8a: Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at non-dedicated facilities |
| Product categories | : | PC35: Washing and cleaning products (including solvent based products) |
| Environmental Release Categories | : | ERC8a: Wide dispersive indoor use of processing aids in open systems |
| Short title of Exposure Scenario | : | Medical devices . Manual process |
| Use descriptors | | |
| Main User Groups | : | Professional uses: Public domain (administration, education, entertainment, services, craftsmen) |
| Sectors of end-use | : | SU22: Professional uses: Public domain (administration, education, entertainment, services, craftsmen) |
| Process categories | : | PROC10: Roller application or brushing |
| | | |

| | | PROC8a: Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at non-dedicated facilities |
|-----------------------|---|--|
| Product categories | : | PC35: Washing and cleaning products (including solvent based products) |
| Environmental Release | : | ERC8a: Wide dispersive indoor use of processing aids in open systems |