

**Clear Dry Classic****Section: 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

Product name : Clear Dry Classic  
UFI : V4VV-EXCF-HD0X-X5F2  
Product code : 117167E  
Use of the Substance/Mixture : Rinse Additive  
Substance type: : Mixture

**For professional users only.**

Product dilution information : No dilution information provided.

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

Identified uses : Dishwash and rinse aid product; Automatic process  
Recommended restrictions on use : Reserved for industrial and professional use.

**1.3 Details of the supplier of the safety data sheet**

Company : Ecolab Limited  
Forest Park  
Mullingar Industrial Estate, Mullingar Co. Westmeath Ireland +353  
1 276 3500  
infoireland@ecolab.com  
  
Ecolab Ltd.  
PO Box 11; Winnington Avenue  
Northwich, Cheshire, United Kingdom CW8 4DX  
+353 (0)1 276 3500  
ccs@ecolab.com

**1.4 Emergency telephone number**

Emergency telephone number : +353766805288  
+32-(0)3-575-5555 Trans-European  
Poison Information Centre telephone number : For medical professionals only:  
+353 (0)1 837 9964 (8am-10pm)

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**Section: 2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

**Classification (REGULATION (EC) No 1272/2008)**

**Clear Dry Classic**

Eye irritation, Category 2

H319

**2.2 Label elements****Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H319 Causes serious eye irritation.

Precautionary Statements : **Prevention:**  
P280e Wear eye protection/face protection.**2.3 Other hazards**

None known.

**Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures****Hazardous components**

| Chemical Name  | CAS-No.<br>EC-No.<br>REACH No.              | Classification<br>REGULATION (EC) No 1272/2008   | Concentration<br>: [%] |
|--|---|--|------------------------|
| Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether | 166736-08-9<br>POLYMER                      | Acute toxicity Category 4; H302<br>Eye irritation Category 2; H319   | >= 10 - < 20           |
| Alcohol ethoxylate   | 68439-51-0<br>POLYMER                       | Chronic aquatic toxicity Category 3; H412  | >= 1 - < 2.5           |
| Isotridecanol, ethoxylated   | 69011-36-5<br>500-241-6<br>01-2119976362-32 | Acute toxicity Category 4; H302<br>Skin irritation Category 2; H315<br>Serious eye damage Category 1; H318<br><br>Serious eye damage/eye irritation<br>Category 1<br>20 - 100 %<br>Serious eye damage/eye irritation<br>Category 2A<br>> 10 - 20 %<br>Serious eye damage/eye irritation<br>Category 2B<br>1 - 10 % | >= 1 - < 2.5           |
| Sodium p-cumenesulphonate  | 15763-76-5<br>239-854-6<br>01-2119489411-37 | Eye irritation Category 2; H319  | >= 1 - < 2.5           |
| Isopropyl Alcohol  | 67-63-0<br>200-661-7<br>01-2119457558-25    | Flammable liquids Category 2; H225<br>Eye irritation Category 2; H319<br>Specific target organ toxicity - single exposure Category 3; H336   | >= 1 - < 2.5           |

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For the full text of the H-Statements mentioned in this Section, see Section 16.

**Section: 4. FIRST AID MEASURES**

**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 : 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**

- Treatment : Treat symptomatically.

**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 firefighting : Fire Hazard  
Keep away from heat and sources of ignition.  
Flash back possible over considerable distance.
- Hazardous combustion products : Depending on combustion properties, decomposition products may include following materials:  
Carbon oxides  
Sulphur oxides  
metal oxides

**5.3 Advice for firefighters**

- Special protective equipment for firefighters : Use personal protective equipment.
- Further information : 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**

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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. 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. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

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, including any incompatibilities**

Requirements for storage areas and containers : Keep away from heat and sources of ignition. 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 40 °C

**7.3 Specific end uses**

Specific use(s) : Dishwash and rinse aid product; Automatic process

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**Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

**Occupational Exposure Limits**

| Components          | CAS-No. | Value type (Form of exposure)  | Control parameters | Basis  |
|---------------------|---------|--|--------------------|--------|
| Isopropyl Alcohol   | 67-63-0 | OELV - 8 hrs (TWA)   | 200 ppm            | IR_OEL |
| Further information | Sk      | Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body |                    |        |
|                     |         | OELV - 15 min (STEL)   | 400 ppm            | IR_OEL |
| Further information | Sk      | Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body |                    |        |

**DNEL**

|                   |   |  |
|-------------------|---|--|
| Isopropyl Alcohol | : | <p>End Use: Workers<br/>Exposure routes: Dermal<br/>Potential health effects: Long-term systemic effects<br/>Value: 888 mg/cm<sup>2</sup></p> <p>End Use: Workers<br/>Exposure routes: Inhalation<br/>Potential health effects: Long-term systemic effects<br/>Value: 500 mg/m<sup>3</sup></p> <p>End Use: Consumers<br/>Exposure routes: Dermal<br/>Potential health effects: Long-term systemic effects<br/>Value: 319 mg/cm<sup>2</sup></p> <p>End Use: Consumers<br/>Exposure routes: Inhalation<br/>Potential health effects: Long-term systemic effects<br/>Value: 89 mg/m<sup>3</sup></p> <p>End Use: Consumers<br/>Exposure routes: Ingestion<br/>Potential health effects: Long-term systemic effects<br/>Value: 26 ppm</p> |
|-------------------|---|--|

**PNEC**

|                   |   |  |
|-------------------|---|--|
| Isopropyl Alcohol | : | <p>Fresh water<br/>Value: 140.9 mg/l</p> <p>Marine water<br/>Value: 140.9 mg/l</p> <p>Intermittent use/release<br/>Value: 140.9 mg/l</p> <p>Fresh water<br/>Value: 552 mg/kg</p> <p>Marine sediment<br/>Value: 552 mg/kg</p> |
|-------------------|---|--|

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|  |  |
|--|--|
|  | Soil<br>Value: 28 mg/kg                    |
|  | Sewage treatment plant<br>Value: 2251 mg/l |
|  | Oral<br>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 measures**

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, (EU) 2016/425), 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 : Consider 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 : clear, blue  
Odour : very faint  
pH : 4.4 - 5.6, 100 %  
Flash point : 65 °C closed cup

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|   |  |
|---|--|
| 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                        | : 1.01 - 1.016   |
| Water solubility                        | : slightly 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**

Depending on combustion properties, decomposition products may include following materials:

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Carbon oxides  
Sulphur oxides  
metal oxides

**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 : Acute toxicity estimate : > 2,000 mg/kg  
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 irritation : There is no data available for this product.  
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 : Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether LD50 rat: > 500 mg/kg  
Alcohol ethoxylate LD50 rat: > 2,000 mg/kg  
Isotridecanol, ethoxylated LD50 rat: 1,250 mg/kg  
Sodium p-cumenesulphonate LD50 rat: > 7,000 mg/kg  
Isopropyl Alcohol LD50 rat: 5,840 mg/kg

**Components**

Acute inhalation toxicity : Isopropyl Alcohol 4 h LC50 rat: > 30 mg/l  
Test atmosphere: vapour



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**Components**

Acute dermal toxicity : Alcohol ethoxylate LD50 rat: > 5,000 mg/kg  
Isotridecanol, ethoxylated LD50 : 2,150 mg/kg  
Isopropyl Alcohol LD50 rabbit: 12,870 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 : Health injuries are not known or expected under normal use.  
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 : No symptoms known or expected.

**Section: 12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

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 : Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether96 h LC50: > 10 - 100 mg/l  
Alcohol ethoxylate48 h LC50 Leuciscus idus (Golden orfe): > 1 mg/l  
Isotridecanol, ethoxylated LC50: 5.33 mg/l  
Sodium p-cumenesulphonate96 h LC50 Oncorhynchus mykiss (rainbow trout): > 1,000 mg/l  
Isopropyl Alcohol96 h LC50 Pimephales promelas (fathead minnow): 9,640 mg/l

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**Components**

Toxicity to daphnia and other aquatic invertebrates : Alcohol ethoxylate 24 h EC50 Daphnia magna (Water flea): > 1 mg/l

Isopropyl Alcohol LC50 Daphnia magna (Water flea): > 10,000 mg/l

**Components**

Toxicity to algae : Alcohol ethoxylate 72 h EC50 Desmodesmus subspicatus (green algae): > 1 mg/l

Sodium p-cumenesulphonate 96 h EC50 Pseudokirchneriella subcapitata (algae): > 230 mg/l

**12.2 Persistence and degradability**

**Product**

Biodegradability : The surfactants contained in the product are biodegradable according to the requirements of the detergent regulation 648/2004/EC

**Components**

Biodegradability : Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether Result: Readily biodegradable.

Alcohol ethoxylate Result: Readily biodegradable.

Isotridecanol, ethoxylated Result: Readily biodegradable.

Sodium p-cumenesulphonate Result: Readily biodegradable.

Isopropyl Alcohol 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**

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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 : The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
- Contaminated packaging : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.
- Guidance for Waste Code selection : Organic wastes containing dangerous substances. If this product is used in any further processes, the final user must redefine and assign the most appropriate European Waste Catalogue Code. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable European (EU Directive 2008/98/EC) 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 : Not dangerous goods  
14.2 UN proper shipping name : Not dangerous goods  
14.3 Transport hazard class(es) : Not dangerous goods  
14.4 Packing group : Not dangerous goods  
14.5 Environmental hazards : Not dangerous goods  
14.6 Special precautions for user : Not dangerous goods

**Air transport (IATA)**

- 14.1 UN number : Not dangerous goods  
14.2 UN proper shipping name : Not dangerous goods  
14.3 Transport hazard class(es) : Not dangerous goods  
14.4 Packing group : Not dangerous goods  
14.5 Environmental hazards : Not dangerous goods  
14.6 Special precautions for user : Not dangerous goods

**Sea transport (IMDG/IMO)**

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14.1 UN number : Not dangerous goods  
 14.2 UN proper shipping name : Not dangerous goods  
 14.3 Transport hazard class(es) : Not dangerous goods  
 14.4 Packing group : Not dangerous goods  
 14.5 Environmental hazards : Not dangerous goods  
 14.6 Special precautions for user : Not dangerous goods  
 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not dangerous goods

**Section: 15. REGULATORY INFORMATION**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture according to Detergents Regulation EC 648/2004 : less than 5 %: Anionic surfactants, Non-ionic surfactants  
 Preservation agents:  
 Sodium benzoate

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable.

**National Regulations**

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

Other regulations : Safety, Health and Welfare at Work Act, 2005  
 European Communities (Classification, Packaging, Labelling and Notification of Dangerous Preparations) Regulations 1995. (S.I. 272 of 1995) as amended

**15.2 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out on the product.

**Section: 16. OTHER INFORMATION**

**Procedure used to derive the classification according to REGULATION (EC) No 1272/2008**

| Classification         | Justification      |
|------------------------|--------------------|
| Eye irritation 2, H319 | Calculation method |

**Full text of H-Statements**

H225 Highly flammable liquid and vapour.  
 H302 Harmful if swallowed.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.  
 H412 Harmful to aquatic life with long lasting effects.

**Full text of other abbreviations**

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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; AIIIC - Australian Inventory of Industrial Chemicals; 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; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals 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**

**Exposure Scenario: Dishwash and rinse aid product; Automatic process**

Life Cycle Stage : Widespread use by professional workers  
Product category : **PC35** Washing and cleaning products (including solvent based products)

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**Contributing scenario controlling environmental exposure for:**

Environmental release category : **ERC8a** Wide dispersive indoor use of processing aids in open systems

Daily amount per site : 7.5 kg

Type of Sewage Treatment Plant : Municipal sewage treatment plant

**Contributing scenario controlling worker exposure for:**

Process category : **PROC8a** Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at non-dedicated facilities

Exposure duration : 60 min

Operational conditions and risk management measures : Indoor

Local Exhaust Ventilation is not required

General ventilation Ventilation rate per hour 1

Skin Protection : see section 8

Respiratory Protection : see section 8

**Contributing scenario controlling worker exposure for:**

Process category : **PROC3** Use in closed batch process (synthesis or formulation)

Exposure duration : 480 min

Operational conditions and risk management measures : Indoor

Local Exhaust Ventilation is not required

General ventilation Ventilation rate per hour 1

Skin Protection : see section 8

Respiratory Protection : see section 8