**SAFETY DATA SHEET**

*Compiled in accordance with REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758*

**SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking**

**1.1. Product Identifier**

Zoflora Bathroom Disinfectant Cleaner (All Perfumes)

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

Household hygienic cleaning product

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

Supplier name: Thornton & Ross

Supplier address: Linthwaite, Huddersfield, HD7 5QH

Telephone: +44 (0) 1484 842 217

Fax: +44 (0) 1484 847 301

Email: sds@thorntonross.com

**1.4. Emergency telephone number**

Telephone: +44 (0) 1484 848 164

Available: Out of working hours

**SECTION 2: Hazards Identification**

**2.1. Classification of the substance or mixture**

According to Regulation (EC) No. 1272/2008 (GB-CLP) the mixture is not classified as Eye Irritant Category 2.

**2.2. Label elements**

Pictogram(s): 

Signal Word: Warning

Hazard Classification: Eye Irritant Category 2

Hazard Statements: 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.

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

P337+P313: If eye irritation persists: Get medical advice/attention.

P501: Dispose of contents/container according to local regulations.

**2.3. Other hazards**

None known

**SECTION 3: Composition/Information on Ingredients**

**3.2. Mixtures**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Hazardous Ingredient(s)** | **%w/w** | **CAS no**  **EC/List no**  **REACH reg. no** | **Hazard Classification** | **H Statements** |
| Ethoxylated Undecyl Alcohol | 1-<2.5% | 127036-24-2 | Ac Tox 4, Eye Dam 1 | 302, 318 |
| Formic acid | 0.1-<1% | 64-18-6  200-579-1  01-2119491174-37-  XXXX | Ac Tox 3, Ac Tox 4, Flam Liq 3, Skin Corr 1A | 331, 302, 226, 314 |
| Perfume Compounds  (See below) | <0.5% | - | - | - |
| *Perfume Compounds* | | | | |
| Grapefruit & Lime | - | - | Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 3 | 315, 319, 317, 412 |
| Jasmine & Freesia | - | - | Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2 | 315, 319, 317, 411 |

**\*All other ingredients are below reportable level or non-hazardous**

**\*\*Full text of H-Phrases can be found in Section 16.3**

**SECTION 4: First Aid Measures**

**4.1. Description of first aid measures**

If inhaled: Remove from exposure and get fresh air. If symptoms develop get medical attention.

If on skin: Wash skin thoroughly with water and soap. If irritation persists seek medical advice.

If in eyes: Rinse with plenty of water for at least 10 minutes. If irritation persists seek medical advice.

If swallowed: Wash out mouth with water. If symptoms develop seek medical attention.

Other first aid advice: None Known

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

If inhaled: None Known

If on skin: None Known

If in eyes: None Known

If swallowed: None Known

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

Medical treatment: If unsure about any symptoms contact a doctor or emergency service.

**SECTION 5: Firefighting Measures**

**5.1. Extinguishing media**

Suitable extinguishing media: Powder extinguishers.

Unsuitable extinguishing media: Do not use water jet.

**5.2. Special hazards arising from the substance or mixture**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and,

consequently, can present a serious health risk.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing.

**SECTION 6: Accidental Release Measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Non-emergency personnel: Wear appropriate protective clothing.

Emergency personnel: Wear appropriate protective clothing.

**6.2. Environmental precautions**

Prevent material entering drains and watercourses. Advise local authorities if spillage has entered watercourses and sewer.

**6.3. Methods and material for containment and cleaning up**

Absorb onto inert material and transfer to suitable containers for disposal by a licensed waste contractor. Do not absorb in sawdust or other combustible absorbents.

**6.4. Reference to other sections**

See Section 8 for protective equipment requirements.

**SECTION 7: Handling and Storage**

**7.1. Precautions for safe handling**

Handling: Avoid contact with eyes.

Hygiene: Do not eat, drink or smoke while using this product. Wash hands thoroughly after use.

**7.2. Conditions for safe storage, including any incompatibilities**

Store below 25°C, store away from light and heat.

**7.3. Specific end use(s)**

Household hygienic cleaning product

**SECTION 8: Exposure Controls/Personal Protection**

**8.1. Control parameters**

Formic acid: IOELV (8hr) 5ppm 9mg/m3

DNEL (workers)

Formic acid: Inhalation long local exposure 9.5mg/m3

DNEL (general public)

Formic acid Inhalation long local exposure 3mg/m3

PNEC

Formic acid STP 7.2mg/L

Soil 1.5mg/kg

Intermittent 1mg/L

Fresh water 2mg/L

Marine water 0.2mg/L

Sediment (fresh water) 13.4mg/kg

Sediment (marine water) 1.34mg/kg

**8.2. Exposure controls**

Engineering controls: Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Eye/Face protection: Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards EN 166(EU).

Hand protection: Nitrile gloves. Replace gloves at the sign of any deterioration.

Skin Protection: Overalls must be worn when handling large quantities.

Other protection: Not required

Respiratory protection: Not required

Thermal hazards: None known

Environmental controls: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. See Section 6.2

**SECTION 9: Physical and Chemical Properties**

**9.1. Information on basic chemical and physical properties**

Appearance: Transparent colourless liquid

Odour: Characteristic

Odour threshold: Not determined

PH: 3.17

Melting/freezing point: Not determined

Initial boiling point: Not determined

Boiling range: Not determined

Flash point: >60°C

Evaporation rate: Not determined

Flammability: Not determined

Decomposition temperature: Not determined

Viscosity : 1011 kg/m3

Upper explosive limit: Not determined

Lower explosive limit: Not determined

Vapour pressure: Not determined

Vapour density (Air=1): Not determined

Relative density: Not determined

Solubility: Not determined

Partition coefficient: Not determined

Auto ignition temperature: Not determined

Oxidizing properties: Not determined

Explosive properties: Not determined

**9.2. Other information**

Not available

**SECTION 10: Stability and Reactivity**

**10.1. Reactivity**

Stable

**10.2. Chemical stability**

Stable

**10.3. Possibility of hazardous reactions**

None known

**10.4. Conditions to avoid**

Excessive temperature or pressure, sunlight

**10.5. Incompatible materials**

Avoid alkalis or strong bases

**10.6. Hazardous decomposition products**

None known

**SECTION 11: Toxicological Information**

**11.1. Information on toxicological effects**

Acute toxicity: Ethoxylated undecyl alcohol LD50 oral 500mg/kg

LD50 dermal >2000mg/kg

LD50 inhalation >20mg/L

Formic acid LD50 oral 730mg/kg

LD50 dermal >2000mg/kg

LD50 inhalation 7.85mg/L

Skin corrosion/irritation: Data not available

Serious eye damage/irritation: May cause eye irritation

Respiratory or skin sensitisation: Some perfumes may cause sensitisation by skin contact

Germ cell mutagenicity: Data not available

Carcinogenicity: Data not available

Reproductive toxicity: Data not available

STOT-single exposure: Data not available

STOT-repeated exposure: Data not available

Aspiration hazard: Data not available

**11.2. Other information**

Not applicable

**SECTION 12: Ecological Information**

**12.1. Toxicity**

Acute toxicity

Formic acid LC50 150mg/L Fish (danio rerio)

EC50 365mg/L Crustacean (daphnia magna)

Chronic toxicity

Formic acid NOEC 100mg/L Crustacean (daphnia magna)

**12.2. Persistence and degradability**

Biodegradability

Formic acid Concentration 18mg/L

Period 28days

% biodegradable 97%

**12.3. Bioaccumulative potential**

Formic acid BCF 3.2

Potential Low

**12.4. Mobility in soil**

Absorption/desorption

Formic acid Koc 31

Conclusion Very high

Surface tension 3862E-2 N/m (25°C)

Volatility

Formic acid Henry 1.9E-2 Pa•m3/mol

**12.5. Results of PBT and vPvB assessment**

Data not available

**12.6. Other adverse effects**

Not applicable

**SECTION 13: Disposal Considerations**

**13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements. This material must be disposed of as hazardous waste.

**SECTION 14: Transport Information**

**14.1. UN number**

This product is not regulated for transport

**14.2. UN proper shipping name**

N/A

**14.3. Transport hazard class(es)**

N/A

**14.4. Packing group**

N/A

**14.5. Environmental hazards**

N/A

**14.6. Special precautions for user**

N/A

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC code**

N/A

**Additional Information:**

N/A

**SECTION 15: Regulatory Information**

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

Not regulated by specific legislation

**15.2. Chemical safety assessment**

Not available

**SECTION 16: Other Information**

**16.1. Reason for change**

New product

**16.2. Sources of information**

Ingredient safety data sheet(s), C&L Inventory and REACH Dossiers.

**16.3. Full text of H phrases from Section 3**

H226: Flammable liquid and vapour

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H318: Causes serious eye damage

H319: Causes serious eye irritation

H331: Toxic if inhaled

H411: Toxic to aquatic life with long lasting effects

H412: Harmful to aquatic life with long lasting effects

**16.4. Method of evaluation**

Hazards for mixture calculated in accordance with Regulation (EC) No 1272/2008 (GB-CLP) using the information provided for constituents (ingredients).