

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%	-	-	-
<i>Perfume Compounds</i>				
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/m ³
DNEL (workers)			
Formic acid:	Inhalation	long local exposure	9.5mg/m ³
DNEL (general public)			
Formic acid	Inhalation	long local exposure	3mg/m ³
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)
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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•m ³ /mol
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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).