

# 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 <sup>3</sup>
DNEL (workers)			
Formic acid:	Inhalation	long local exposure	9.5mg/m <sup>3</sup>
DNEL (general public)			
Formic acid	Inhalation	long local exposure	3mg/m <sup>3</sup>
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/m<sup>3</sup>

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 <sup>3</sup> /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).