SAFETY DATA SHEET compiled according to Regulation (EC) No. 453/2010
Compilation date: 10/05/2023 **Revision [CLP]:** 4*

1. Identification of the Substance/Preparation and of the Company/Undertaking

1.1. Product identifier

Product form: Mixture
Trade name: **Foaming Limescale Remover Spray**
Product group: Trade product
Product code: **128** **Hazard Band: 2**

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

1.2.1. Relevant identified uses

Main use category : Professional use
Function or use category : Washing and cleaning products (including solvent based products).

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Company Name: **Revert Ltd.**
Harvey Combe Ind. Est.,
Killingworth
Newcastle-upon-Tyne
NE12 6QQ
Tel: +44 (0) 1670 733159
Email: sales@revert.ltd.uk

2. Hazards Identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Irrit. 2: H319

2.2 Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard Pictograms (CLP)



Signal word (CLP): Warning
Hazard Statements (CLP): H319 - Causes serious eye irritation.

Precautionary Statements (CLP): 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+P315 – If eye irritation persists: Get immediate medical advice/attention.

The full texts for all H- and EUH-phrases are displayed in Section 16 'Other Information'.

2.3 Other Hazards

Other hazards not contributing to the classification: No presence of PBT and vPvB ingredients.

3. Composition/information on ingredients:

Common Name	CAS No./ EC No.	Classification Accoding to (EC) 1272/2008 (CLP)	Conc (%)
Citric Acid Anhydrous	77-92-9 201-069-1	Eye Irrit. 2, H319	4 - 6
REACH registration number: 01-2119457026-42-XXXX			
3-methoxy-3- methylbutan-1-ol	56539-66-3 260-252-4	Eye Irrit. 2 - H319	1 - 5
REACH registration number: 01-2119976333-33-0000			
Sodium Alkylether Sulphate	68585-34-2 500-223-8	Skin Irrit. 2, H315 Eye Dam. 1, H318	0.1 - 1
REACH registration number: 01-2119488639-16-XXXX			

The full texts for all H- and EUH-phrases are displayed in Section 16 'Other Information'.

4. First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation: IF INHALED: Not likely to be relevant. Seek medical advice if you feel unwell.
First-aid measures after skin contact: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention, and discontinue use of product.
First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor if eye irritation persists.
First-aid measures after ingestion: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Drink 1-2 glasses of water. Immediately call a doctor if victim feels unwell.

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

Symptoms/injuries after inhalation: Coughing. Sneezing (inhaling aerosol/ mist)
Symptoms/injuries after skin contact: Redness. Swelling. dryness. Itching.
Symptoms/injuries after eye contact: Pain. Redness. Swelling. Blurred vision.
Symptoms/injuries after ingestion: Oral mucosal or gastro-intestinal irritation. Nausea. Vomiting. Excessive secretion. Diarrhoea.

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

Refer to section 4.1.

5. Fire fighting measures

Extinguishing media: Product itself is not explosive or flammable. The product itself will not burn. If anything, packaging may be involved in a fire. Use CO_2, dry chemical powder, alcohol resistant foam or other media appropriate for materials actually involved in the fire. If water is used, contain run-off.
Special hazards: When heated sufficiently, product may decompose to form smoke and toxic fumes.
Special protective equipment: Fire fighters should wear approved self-contained breathing apparatus and full protective clothing.

6. Accidental release measures

Personal precautions:
Avoid contact with skin and eyes. For appropriate personal protection see section 8.
Environmental precautions:
Although this product is suitable for down the drain disposal it is advised that as much of the liquid is contained and and absorbed with a suitable media, before final dispersal of any residue with water.
Methods and material for containment and clean-up:
Prevent leakage into sewers or surface water by utilising bunding, absorbent booms, drain covers and soil or sand dikes. Contact appropriate environmental protection agencies, (Environment Agency in the UK) and local water authorities if significant contamination occurs.
For small and large spills: pump/ transfer spillage into suitable plastic containers and rework/dispose as per local legislation.

7. Handling and storage

7.1Precautions for safe handling:
Avoid contact with neat product on skin and eyes. Wear protective clothing as per section 8.

7.2 Conditions for safe storage, including any incompatibilities:
Storage precautions:
Store in closed original container in a cool and dry area.

8. Exposure controls / personal protection
8.1 Control parameters:
Components with critical values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information: The lists that were valid during the compilation were used as basis.
8.2 Exposure controls:
Personal protective equipment
Wear suitable protective clothing, gloves and eye/face protection.
General protective and hygienic measures
Keep away from foodstuffs, beverages and food. Instantly remove any contaminated garments. Do not eat, drink or smoke while working. Avoid contact with the eyes and skin. Do not inhale aerosols. Wash hands during breaks and at the end of the work. Use skin protection cream for preventive skin protection.
Respiratory protection:
Not needed.
Hand protection: For the contact with product protective gloves made from Nitrile (material thickness > 0.1 mm, break through time > 480 min class 6) are recommended according to EN 374. In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. We recommend to change single use protective gloves periodical and a hand care plan in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.
Eye protection: Wear safety glasses/ tight fitting goggles.

9. Physical and chemical properties

Appearance: Uncoloured Liquid
Odour: imperceptible
pH (10% aqueous solution): ca. 3
Melting point: Not determined
Boiling point: circa 110 °C
Flash point: Not combustible
Evaporation rate: Not determined
Flammability: Not combustible
Explosive properties: Non-Explosive
Oxidising properties: Not determined
Vapour pressure/density: Not determined
Relative density: ca. Not Determined
Water solubility: Soluble
Partition coefficient: Not determined
Auto ignition temperature: Not combustible
Decomposition temperature: Not determined
Viscosity: Not determined

10. Stability and reactivity
10.1 Reactivity:
Stable under normal conditions. Reacts with alkalis generating heat.
10.2 Conditions to avoid:
None if used for intended purpose
10.3 Incompatible materials:
Do not mix with other cleaning products unless advised to do so by a professional from the industry. Do not mix with alkalis or oxidising agents.

11. Toxicological information
General toxicological information:
The present product is a chemical preparation within the meaning of the chemicals act. The following evaluation has been made on the basis of the toxicological data and content by weight of the individual ingredients.
Acute toxicity:

Not toxic by dermal contact or inhalation.
Acute oral toxicity:
LD50> 2000 mg/ kg body weight.
Irritation/corrosivity: Irritating to the eyes. GHS: Category 2. If irritant effects are seen, these will be depending on exposure.
Sensitisation: May provoke a sensitisation reaction.
Repeated dose toxicity: Repeated exposure to low levels (e.g. on fabrics or diluted in washing water) will not cause adverse effects.
Carcinogenicity/mutagenicity/teratogenicity: Based on available data the classification criteria are not met.

12. Ecological information

12.1 Toxicity:

On the basis of raw materials and comparable substances contained in the product the following ecological evaluation is obtained.
Aquatic toxicity:
This product is intended for wide dispersive use, is not considered harmful to aquatic organisms and is compatible with the down-the-drain route under normal terms of use.
Acute fish toxicity LC50 > 10 - <= 100 mg product/l.
Acute bacterial toxicity EC50 > 100 mg product/l.

12.2 Persistence and degradability:

This product has not been found to cause long-term adverse effects in the environment. The surfactants used in this product are biodegradable in line with the requirements of EU Detergent Regulation (EC) No 648/2004. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
Primary degradation:
According to the requirements of the EU Mandatory Standards for Detergents 82/242 (nonionic surfactants) and 82/243/EEC(anionic surfactants) the surfactants contained in the products are biodegradable to at least 90% on average.
Ultimate biodegradation:
Readily and rapidly degradable. All organic substances contained in the product achieve > 60% BOD/COD or CO2 liberation, or > 70% DOC reduction in tests for ease of degradability. Threshold values for 'readily degradable' (e.g. to OECD method 301) are reached. GHS: No category.
The surfactant(s) contained in this product comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. Method: Annex III , part A.

12.3 Bioaccumulative potential:

The surfactant ingredients of this product are not expected to bioaccumulate.
12.4 Mobility in soil: Not determined.
Results of PBT and vPvB assessment:
Not available

13. Disposal considerations

13.1 Waste treatment methods

Recommendation:	Disposal must be made according to official regulations.
Waste disposal key number:	According to local/national regulations.
European waste catalogue:	Waste disposal key numbers from EWC have to be assigned depending on origin and processing.
Packaging recommendation:	Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning.
Recommended cleaning agent:	Water

Consumer products ending up down the drain after use. Observe safe handling precautions and local legislation.
The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation EC/648/2004 on detergents.

14. Transport information

UN No:	None
Classification:	Not classified as hazardous for transport.
UN proper shipping name:	None
Transport hazard class:	Not subject to ADR/IATA/IMDG/RID codes.
Packing group:	None

Environmental hazards: None
Special precautions for user: None

15. Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1. EU-Regulations
No REACH Annex XVII restrictions. Contains no substance on the REACH candidate list
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

16. Other information
Usage and handling instructions are not mentioned on this Material Safety Data Sheet. The labelling of the product is indicated in Section 2.2.

The full text of the H- and EUH-phrases indicated in this safety data sheet are as follows:

Eye Dam. 1:	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2:	Serious eye irritation, Category 2
Skin Irrit. 2:	Skin corrosion/irritation, Category 2

H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation

The information given has been compiled with reference to the Chemicals (Hazard Information & Packaging For Supply) Regulations (CHIP4) 2009 as amended, the Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH) Regulations, as amended, the Control of Substances Hazardous to Health Regulations (COSHH) 2002, as amended, and Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. This information also harmonises the provisions and criteria for the classification and labelling of substances, mixtures and certain specific articles within the Community, taking into account the classification criteria and labelling rules of the GHS.

* Version History - Reason for Revision:
1. Add Classification Accoding to (EC) 1272/2008 (CLP)
2. Remove Classification According to Directive 67/548/EEC or 1999/45/EC. Update Supplier Address.
3. Update Reach Registration Nos. in section 3.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.