SAFETY DATA SHEET
Alcohol Free Hand Sanitizer

SECTION 1: Identification of the substance/ mixture and of the company/ undertaking

1.1. Product identifier

Product name: Alcohol Free Hand Sanitizer
Product number: LUC-RTU

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

Identified uses: Hand Sanitizer

1.3. Details of the supplier of the safety data sheet

Supplier:
Lucas Finishing Specialists Ltd
11 Invicta Business Park
London Road
Wrotham
TN15 7RJ
+44 (0) 1732 884033 (Mon - Fri, 08:00 - 17:00 UK time only)
info@lucasuk.com

1.4. Emergency telephone number

Emergency telephone: +44 (0) 1732 884922 (Mon - Fri, 08:00 - 17:00 UK time only)
National emergency telephone Number: National Poisons Information Service
For medical advice or information, you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice)

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards: Not applicable
Health hazards: Not applicable
Environmental hazards: Not applicable

2.2. Label elements

Hazard pictograms Not applicable
Signal word: Not applicable
Hazard statements: Not applicable
Precautionary statements: Not applicable
Supplemental Information: EUH210: Safety Data sheet available on request

2.3. Other hazards:

None known

SECTION 3: Composition/ information on ingredients

Chemical Identity of the substance	% W/W	CAS No.	EC No.	REACH Registration No.	Hazard Statement(s)
Hydrogen peroxide	<2	7722-84-1	231-765-0	Not yet assigned in the supply chain	Ox. Liq. 1:H271 Acute. Tox. 4; H302 Skin Corr. 1A; H314 Eye Dam. 1; H318 Acute Tox. 4; H332 STOT SE 3; H335 Aquatic Chronic 3; H412 **Specific Concentration Limit** STOT SE 3; H335; C >35% Eye Dam. 1; H319: 8% < C <50% Eye Irrit. 2; H319: 5% < C < 8% Ox. Liq. 1; H271: C > 70% Ox. Liq. 2; H272: 50% < C < 70% Skin Corr. 1A; H314: C > 70% Skin Corr. 1B; H314: 50% < C < 70% Skin Irrit. 2; H315: 35% < C < 50%

SECTION 4: First Aid Measures

4.1. Description of first aid measures

Self-Protection of the First Aider: No action should be taken involving personal risk. Use personal protective equipment as required. Ensure adequate ventilation.

Inhalation: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Skin contact: If irritation develops and persists, get medical attention.

Eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

Ingestion: Rinse mouth. Get medical advice/ attention if you feel unwell.

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

General information: None known

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

Notes for the doctor: Treat symptomatically

SECTION 5: Firefighting Measures

5.1. Extinguishing media

Suitable extinguishing media: As appropriate for the surrounding fire.

Unsuitable extinguishing media: Direct water jet may spread the fire.

5.2. Special hazards arising from the substance or mixture

Product is not classified as flammable but will burn on contact with flame or exposure to high temperature. Combustion may cause toxic fumes. (Carbon monoxide, Carbon dioxide).

5.3. Advice for firefighters

Fight fire with normal precautions from a reasonable distance. Fire fighters should wear compatible clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions, Protective equipment and Emergency procedures: Caution – spillages may be slippery. Eliminate sources of ignition. Shut off leaks if without risk. Avoid prolonged skin contact. Ensure adequate ventilation.

6.2. Environmental precautions

Environmental precautions: Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Provided it is safe to do so, isolate the source of the leak. Absorb spillages onto sand, earth, or any suitable material. Transfer to a container for disposal. Wash the spillage area with water.

6.4. Reference to other sections

Reference to other sections: See Section: 8,13

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Ensure adequate ventilation. Avoid inhalation of high concentrations of vapours. Use personal protective equipment as required. Avoid prolonged skin contact. Do not eat, drink, or smoke when using this product. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in a cool/ low-temperature, well-ventilated (dry) place away from heat and ignition sources.

Storage temperature: Keep cool. Protect from sunlight.

Incompatible materials: Strong oxidising agents.

7.3. Specific end use(s)

Specific end use(s): See section 1.2.

SECTION 8: Exposure Controls/ Personal Protection

8.1. Control parameters

Occupational exposure limits

Substance	CAS No.	LTEL (8hr TWA ppm)	LTEL (8hr TWA mg/m3)	STEL (pm)	STEL (mg/m3)	Note
Hydrogen peroxide	7722-84-1	1	1.4	2	2.8	WEL

Source: WEL: Workplace Exposure Limit (UK HSE EH40)

8.1.2 Biological Limit Value None Assigned

8.1.3 PNECs & DNELs None assigned

8.2. Exposure controls

Individual protection Measures, such as personal Protective equipment (PPE): Keep good industrial hygiene. Avoid prolonged skin contact. Do not eat, drink, or smoke at the workplace.

Use eye protection according to EN 166, designed to protect against liquid splashes.

Not normally required

Respiratory protection is not necessary if room is well ventilated. In case of inadequate ventilation wear respiratory protection.

Environmental exposure Controls: Avoid release to the environment.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance:	Clear liquid.
Odour:	Slightly pungent.
Odour threshold:	Not established
pH:	3-5
Melting point/ freezing point:	0 Celsius
Initial boiling point and range:	Not established.
Flash point:	Not established.
Evaporation rate:	Not established.
Flammability (solid, gas):	Not relevant – liquid mixture
Upper/lower flammability or explosive limits:	Not established.
Vapour pressure:	Not established.
Vapour density:	Not established.
Relative density:	1
Solubility(ies):	Soluble in water.
Partition coefficient: n-octanol/ water	Not established.
Auto-ignition temperature:	Not established.
Decomposition Temperature:	Not established.
Viscosity:	Not established.
Explosive properties:	Not explosive.
Oxidising properties:	Not oxidising.

9.2. Other information None known

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under normal circumstances

10.2. Chemical stability

Stability: Stable under normal conditions

10.3. Possibility of hazardous reactions

Possibility of hazardous Reactions: No hazardous reactions known if used for its intended purpose.

10.4. Conditions to avoid

Conditions to avoid: Keep cool. Protect from sunlight.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition Product(s): None known

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute Toxicity

Ingestion:	Based upon the available data, the classification criteria are not met. Acute toxicity estimates mixture calculation: LD50>2000 mg/kg bw.
Inhalation:	Based upon the available data, the classification criteria are not met. Acute toxicity estimates mixture calculation: LC50> 5mg/l (dust/ mist).
Skin Contact:	Based upon the available data, the classification criteria are not met. Acute toxicity estimates mixture calculation: LD50>2000 mg/kg bw.
Skin irritation:	Based upon the available data, the classification criteria are not met.
Serious eye damage/ irritation:	Based upon the available data, the classification criteria are not met.
Respiratory or skin sensitisation:	Based upon the available data, the classification criteria are not met.
Germ cell mutagenicity:	Based upon the available data, the classification criteria are not met.
Carcinogenicity:	Based upon the available data, the classification criteria are not met.
Reproductive toxicity:	Based upon the available data, the classification criteria are not met.
STOT – single exposure:	Based upon the available data, the classification criteria are not met.
STOT – repeated exposure:	Based upon the available data, the classification criteria are not met.
Aspiration hazard:	Based upon the available data, the classification criteria are not met.

11.2. Other information None

SECTION 12: Ecological Information

12.1. Toxicity	Based upon the available data, the classification criteria are not met. Estimated LC50 (Mixture): >100mg/l
12.2. Persitance and Degradability	No data for the mixture as a whole. Hydrogen peroxide: degradation in soil is rapid due to the occurrence of high concentrations of catalytic material.
12.3. Bio accumulative potential	No data for the mixture as a whole. Hydrogen peroxide is reactive and short-lived polar substance and no bioaccumulation is expected.
12.4. Mobility in soil	No data for the mixture as a whole. Hydrogen peroxide: the substance is predicted to have high mobility in soil. Soluble in water.
12.5. Results of PBT and vPvB Assessment	Not classified as PBT or vPvB.

12.6 Other adverse effects None known

SECTION 13: Disposal Considerations

13.1. Waste treatment Methods Disposal should be in accordance with local, state or national legislation .

SECTION 14: Transport Information

14.1. UN number

UN No. (ADR/RID): Not applicable
UN No. (IMDG): Not applicable
UN No. (IATA/ICAO): Not applicable

14.2. UN proper shipping name

UN No. (ADR/RID): Not applicable
UN No. (IMDG): Not applicable
UN No. (IATA/ICAO): Not applicable

14.3. Transport hazard class(es)

UN No. (ADR/RID): Not applicable
UN No. (IMDG): Not applicable
UN No. (IATA/ICAO): Not applicable

14.4. Packing group

UN No. (ADR/RID): Not applicable
UN No. (IMDG): Not applicable
UN No. (IATA/ICAO): Not applicable

14.5. Environmental hazards

UN No. (ADR/RID): Not applicable
UN No. (IMDG): Not classed as a Marine Pollutant
UN No. (IATA/ICAO): Not applicable

14.6. Special precautions for user

See section 2

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

UN No. (ADR/RID): Not applicable
UN No. (IMDG): Not applicable
UN No. (IATA/ICAO): Not applicable

14.8. Additional information: None

SECTION 15: Regulatory Information

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

15.1.1. EU Regulations Not restricted.
15.1.2. National Regulations None known.
15.2. Chemical Safety Assessment A chemical safety assessment is not required under REACH.

SECTION 16: Other Information

The following sections contain revisions or new statements: Updated version and date. Please review SDS with care.
The following sections have updates indicated by:
References:
Harmonised Classification and Existing ECHA registration(s) for Hydrogen peroxide (CAS No. 7722-84-1)
Individual classification of substances provided by external toxicological consultants.
EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.

Classification of the substance or mixture according to Regulation (EC) no. 1272/2008 (CLP)	Classification Procedure
Not classified	Threshold calculation
EUH210: Safety data sheet available on request	Threshold calculation

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	PBT: Persistent, Bioaccumulative and Toxic
vPvB	vPvT: very Persistent and very Toxic
NOEC	No Observed Effect Concentration
Hazard classification / Classification code:	**Hazard Statement(s)**
Ox. Liq. 1; Oxidising liquid, Category 1	H271: May cause fire or explosion; strong oxidiser.
Ox. Liq. 1; Oxidising liquid, Category 2	H272: May intensify fire; oxidiser.
Acute Tox. 4; Acute toxicity, Category 4	H302: Harmful if swallowed.
Skin Corr. 1A ; Skin corrosion/irritation, Category 1A	H314: Causes severe skin burns and eye damage.
Skin Corr. 1B; Skin corrosion/irritation, Category 1B	H314: Causes severe skin burns and eye damage.
Skin Irrit. 2; Skin corrosion/irritation, Category 2	H315: Causes skin irritation.
Eye Dam. 1; Eye damage, category 1	H318: Causes serious eye damage.
Eye Irrit. 2; Eye Irritation, Category 2	H319: Causes serious eye irritation.
Acute Tox. 4; Acute toxicity, Category 4	H332: Harmful if inhaled.
STOT SE 3; Specific target organ toxicity — single exposure, Category 3	H335: May cause respiratory irritation.
Aquatic Chronic 3; Hazardous to the aquatic environment, Chronic, Category 3	H412: Harmful to aquatic life with long lasting effects.

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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