

MATERIAL SAFETY DATA SHEET



SECTION 1: Identification of the Substance and Company/Undertaking

- 1.1 **Product Identifier:** **Liquid Hand Sanitizer**
Rev 1 16/03/2020
- 1.2 **Relevant identified uses of the substance and uses advised against**
- Use:** Hand sanitizer
- Relevant identified uses:** See above
- Mixture supplied to that use in form of:** A mixture
- 1.3 **Details of the supplier of the Safety data Sheet**
- Address:** Dynamic Cassette International Limited
Marsh Lane
Boston
Lincolnshire
PE21 7TX
England
- Telephone Number:** +44 (0)1205 355555
- Email Address:** sales@dci.co.uk
- 1.4 **Emergency Telephone:** +44 (0)1205 355555

SECTION 2: Hazards Identification

- 2.1.2 **Classification under CLP** Flam. Liq. 2: H225; STOT SE 3: H336
- Signal word:** Flammable
- Hazard statements:** H225: Highly flammable liquid and vapour.
H336: May cause drowsiness or dizziness
- Precautionary statements:** P102: Keep out of reach of children.
P233: Keep container tightly closed.
P210: Keep away from open flames. - No smoking.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312: Call a POISON CENTRE or doctor if you feel unwell.
 P370+378: In case of fire: Use water for extinction.

Hazard Pictograms:



2.3 Other Hazards:

2.4 Additional Information:

SECTION 3: Composition / Information on Ingredients

3.1 Substances

Product identifier type in accordance with 67/548/EEC / 199/45/EC	Identifier number	Identification name	Weight % content (or range)	EC Number	Classification
CAS Number	67-63-0	Isopropanol	65-75%	200-578-6	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336
CAS Number	7722-84-1	Hydrogen Peroxide	<1%	52317-765-0	Ox. Liq. 1, H271 Skin Corr. 1B, H314 Eye Dam. 1, H318

SECTION 4: First-Aid Measures

4.1 Description of First Aid Measures

Ingestion:

Give 2-4 cups full of water, do not induce vomiting; seek medical advice

Skin contact:

Clean affected area with plenty of water, soap or other non-irritating cleanser

Eye contact:

Flush eyes with plenty of water until clear; seek medical advice if irritation persists

Inhalation:

Move the exposed person to fresh air at once. Seek medical advice

First Aider Protection:

None

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4.2 Most important symptoms and effects, both acute and delayed

Ingestion:	There may be soreness and redness of the mouth and throat.
Skin contact:	There may be irritation and redness
Eye contact:	There may be irritation and redness
Inhalation:	Drowsiness or mental confusion may occur.

4.3 Indication of immediate medical attention and special treatment needed

General advice:	None specific
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SECTION 5: Fire-Fighting Measures

5.1 Extinguishing media (small and large fires)

Small Fire:	Water, water mist, foam, dry powder, CO2
Large Fire:	Water, water mist, foam, dry powder, CO2
Avoid:	None

5.2.1 **Specific Hazards:**

5.2.2 **Protective equipment and advice for fire fighters:**

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency measures

6.1.1 **For non-emergency personnel:**

6.1.2 **For emergency responders:**

6.2 **Environmental precautions:**

6.3 Methods and material for containment and cleaning up

6.3.1 **For containment:**

6.3.2 **For cleaning up:**

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6.3.3 Other information:

None

6.4 Reference to other sections:

Section 8

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling:

Handle with care
Do not store under heavy load conditions or at extremes of temperature
Keep out of reach of children

7.2 Conditions for safe storage, including any incompatibilities:

None specific

7.3 Specific end uses:

None

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Substance				
CAS No.				
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Isopropanol		999 mg/m ³		1250 mg/m ³

8.2 Exposure controls

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8.2.1	Engineering controls:	Ensure there is sufficient ventilation of the area.
8.2.2	Personal protective equipment:	Protection not required.
8.2.3	Environmental exposure controls:	Take precautionary measures against discharges into the environment

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Odour:	Alcohol odour
Colour:	Colourless
pH:	6.5 - 8
Melting point:	Not Applicable
Initial boiling point and boiling range:	Not available
Flash point:	12 c
Evaporation rate:	Fast
Flammability:	Flammable
Upper/lower flammability or explosive limits:	Not available
Vapour pressure:	Not available
Relative vapour density (air=1):	Not available
Relative density (water=1):	Not available
Solubility:	Miscible with water
Partition coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available

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Viscosity: Not available

Explosive properties: Not available

Oxidising properties: Not available

9.2 Other information

Critical Temperature: Not Applicable

SECTION 10: Stability and Reactivity

10.1 Reactivity: Product is stable under normal storage and usage conditions

10.2 Chemical stability: See above

10.3 Possibility of hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4 Conditions to Avoid: Extreme temperatures

10.5 Incompatible materials:

10.6 Hazardous decomposition products: May create toxic materials, carbon dioxide, carbon monoxide, various hydrocarbons etc. on thermal decomposition

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity: Acute Toxicity (Oral LD50)
> 5000 mg/kg Rat
Acute Toxicity (Dermal LD50)
> 5000 mg/kg Rabbit

Skin corrosion/irritation: Not irritating.

Serious eye damage/irritation: Irritating and may cause redness and pain.

Respiratory or skin sensitisation: Not Sensitising.

Germ cell mutagenicity: Not available

Carcinogenicity: This substance has no evidence of carcinogenic properties

Reproductive toxicity: Not available

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STOT-single exposure:	No Known Effects
STOT-repeated exposure:	No Known Effects
Aspiration hazard:	May cause irritation to the respiratory system. Vapours may cause drowsiness and dizziness.
Further information:	

SECTION 12: Ecological Information

12.1 Toxicity:	Acute Fish Toxicity Not considered toxic to fish. Acute Toxicity - Fish LC50 48 hours > >100 mg/l Leuciscus idus (Golden orfe) Acute Toxicity - Aquatic Invertebrates EC50 48 hours > >100 mg/l Daphnia magna Acute Toxicity - Aquatic Plants EC50 72 hours > 100 mg/l Scenedesmus subspicatus
12.2 Persistence and degradability:	The substance is readily biodegradable
12.3 Bioaccumulative potential:	Will not bio-accumulate.
12.4 Mobility in soil:	The product is soluble in water.
12.5 Results of PBT and vPvB assessment:	The mixture does not contain any ingredients which are PBT, vPvB or Substances of Very high concern
12.6 Other adverse effects:	Not Applicable

SECTION 13: Disposal Considerations

13.1 Waste treatment methods:	Dispose of as normal industrial waste
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SECTION 14: Transport Information

14.1 UN Number:	Not Applicable
14.2 UN proper shipping name:	Not Applicable
14.3 Transport hazard class:	Not Applicable
14.4 Packing group:	Not Applicable
14.5 Environmental hazards:	Not Applicable

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14.6 **Special Precautions for user:**

Not Applicable

14.7 **Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code:**

Flammable liquids.

SECTION 15: Regulatory Information

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

The information contained in this safety data sheet does not constitute the users own assessment of workplace risks as required by other health and safety regulations
This product has been assessed to ensure of compliance to the EU REACH and CLP Regulations

15.2 **Chemical Safety Assessment:**

SECTION 16: Other Information

Methods of evaluation:

None specific

References:

None specific

Abbreviations:

REACH – Registration, Evaluation, Authorisation and restriction of Chemicals
CLP – Classification, labelling and Packaging of Substances and Mixtures
EC No – European Commission Number
UN Number - United Nations Committee of Experts
WEL – Workplace Exposure Limit
STOT – Specific Target Organ Toxicity
PBT – Persistent, Bioaccumulative and Toxic
vPvB - very Persistent and very Bioaccumulative

The information contained herein is carefully presented, based on the data we have. However, all precautions described herein are for normal handling, not for special handling. Please establish the safe usage in accordance with your handling procedures by reference to this SDS and applicable laws and guidance. In addition, the description, composition, and physical/chemical properties are typical values and not guaranteed for this product.

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ISO 9001
ISO 14001
ISO 18001

Company Registration 175 7389