



HAND CLEAN

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Hand Clean (PN 3710, 3711, 6750)

Mixture

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

Use of the Substance

Removal of industrial dirt and grime from hands. Designed for use on glues, solders and greases. Used as an impregnating fluid for non-woven wipes.

1.3 Details of the supplier of the safety data sheet Company

QTEK Manufacturing Ltd.,
Riverside Commercial Estate,
Galway,
Ireland.
Email: sales@qtek.com

Contact: SDS Contact: sales@qtek.com

1.4 Emergency telephone number

Telephone Number: + (353) 91 745160

Fax Number: + (353) 91 751299

Hours of business (Monday to Friday): 0830 – 1730 hrs.

Closed Bank Holidays and Public Holidays

2. Hazards Identification

2.1 Classification of the substance or mixture

Labelling according to Directive 67/548/EEC:

Indication(s) of Danger Xi, Irritant.

Risk Phrase(s) R11: Highly flammable.

R36: Irritating to eyes.

R67: Vapours may cause drowsiness and dizziness.

Precautionary Phrase(s) For professional use

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Classification (REGULATION (EC) No 1272/2008)

Serious eye damage/Eye irritation	Category 2	H319
Specific Target Organ – single exposure: Narcotic effects	Category 3	H336
Hazardous to the aquatic environment: Chronic hazard	Category 3	H412

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements: H319 - Causes serious eye irritation.
H336 – May cause drowsiness and dizziness.
H412 – Harmful to aquatic life with long lasting effects

Precautionary statements:

Prevention:

P102 Keep out of reach of children.
P 280 Wear protective gloves/ protective clothing/ eye protection/face protection
P273 – Avoid release to environment

Response:

P101: If medical advice is needed, have product container or label at hand.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

Labelling according to Directive 1999/45/EC:



Symbol(s)

Indication(s) of Danger Xi, Irritant.

Risk Phrase(s) R36: Irritating to eyes.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67: Vapours may cause drowsiness and dizziness.

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Safety Phrase(s) S2: Keep out of reach of children.
S25: Avoid contact with eyes
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46: If swallowed, seek medical advice immediately and show this container or label.

2.3 Other hazards

No other hazards have been identified.

3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture

This product contains the ingredient listed below:

Name	CAS No.	EC No.	Content	Classification [a]
Propan-2-ol	67-63-0	200-661-7	<50%	F, R11 Xi, R36, R67
D-limonene/orange terpenes	8028-48-6	-	1-5%	F, R10; Xi, R38; N, R50/53; Xn, R65
C9-11 Alcohol Ethoxylate	68439-45-2	-	1-5%	Xn, R22; Xi, R41
Parfum			<1%	Xn, N, R10 R38 R43 R50/53 R65

This ingredient contains a mixture of substances. The Full Text for all Risk Phrases are displayed in Section 16.

4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact If patient is wearing contact lenses, remove them. Then wash immediately and thoroughly with low-pressure water while lifting the eyelids until irritation subsides. If any undesirable symptoms persist, obtain professional assistance from a doctor

Inhalation Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

Ingestion Wash mouth and throat with water and give water to drink. Do not induce vomiting. Obtain professional assistance from a doctor if there are any undesirable symptoms.

Skin contact Use protective gloves where prolonged contact is anticipated or if skin is sensitive. Rinse off with water if in contact with skin.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11

4.3 Indication of any immediate medical attention and special treatment needed

None.

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5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media for the surrounding fire should be used: Use water spray to cool containers.

5.2 Special hazards arising from the substance

Exposure hazards In combustion emits toxic fumes.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Wear protective clothing to prevent contact with skin and eyes.

6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Mark out the contaminated area with signs and limit access to authorised personnel. Do not attempt to take action without suitable protective clothing – see Section 8. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water course. Prevent from spreading (by using oil barriers, for example).

6.3 Methods and materials for containment and cleaning up

In the event of spillage, take up bulk with an inert absorbent. Transfer to a container for disposal by an appropriate method. Close the container securely and label the container.

6.4 Reference to other sections

See Section 1 for emergency contact details.

See Section 8 for information on personal protective equipment.

See Section 13 for waste treatment information.

7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear suitable personal protective equipment, as detailed in section 8.
Adequate ventilation is required. Avoid prolonged contact with skin and avoid contact with eyes.
Do not inhale mist.

7.2 Conditions for safe storage, including any incompatibilities

Store in original containers, at a temperature of 5 – 40°C.
Keep containers closed.
Store in a cool, well ventilated area.

7.3 Specific end uses

The identified uses for this product are detailed in Section 1.2.

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8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Name	CAS No.	EC No.	OEL Value (8 hour ref period)		OEL Value (15 minute ref period)	
			ppm	mg/m ³	ppm	mg/m ³
Propanol-2-ol	67-63-0			999		1250
Orange Terpenes	8028-48-6			100		150

Derived No Effect Level (DNEL)

According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.

8.2 Exposure Controls

Occupational Exposure Controls

Engineering Measures

Ensure that there is sufficient ventilation of the areas in which the product is stored and used.

Personal protective equipment

Respiratory protection

No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g. where aerosols are in use, or smoke and mist occur, A-P2 or ABEK-P2), in compliance with EN 141.

Eye protection:

Tightly fitting safety goggles (EN166, EN170 2-1.2)

Hand protection:

Normal length chemical-mechanical resistant gloves (EN374/EN388)

Glove Material: butyl rubber

Breakthrough time: \geq 480 min

Thickness: 0.5 mm

Hygiene measures:

Take off all contaminated clothing immediately.

Protective measures:

Avoid contact with the skin and the eyes.

Do not breathe vapours or spray mist.

Wash hands after contact with product and before commencement of other activities.

Environmental exposure controls

General advice:

Do not allow material to contaminate ground water system.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear liquid at ambient temperatures
Colour	Clear
Odour	Citrus

Property	Values
Solubility (water)	Highly soluble
Solubility (fat)	Sparingly soluble
Melting Point	<0°C
Relative density	ca. 0.9 (@ 20°C)
Explosive properties	Not determined
Flash Point	Not determined
Autoignition temperature (AIT)	Not auto-flammable
Oxidizing Properties	Not oxidising
pH	Ca. 6 – 7
Boiling point/boiling range	>100°C
Vapor Pressure	0.6hPa
Flammability (solid, gas)	Not flammable
Partition coefficient (n-octanol/water)	Not determined
Explosive properties	Not determined

9.2 Other information

10: STABILITY AND REACTIVITY

- 10.1 Reactivity** No hazardous reaction is anticipated if the instructions for handling and storage (see Section 7) are respected.
- 10.2 Chemical stability** this mixture is stable under the recommended conditions for handling and storage (see Section 7).
- 10.3 Possibility of hazardous reactions** See sections 10.1 and 10.2
- 10.4 Conditions to avoid**
- | | | |
|---------------------|---|------------------------------------------------|
| Conditions to avoid | : | Avoid temperatures outside the range 5 – 40°C. |
|---------------------|---|------------------------------------------------|
- 10.5 Incompatible materials**
- | | | |
|--------------------|---|-------------------------------------------|
| Materials to avoid | : | Strong oxidizing agents.
Strong acids. |
|--------------------|---|-------------------------------------------|
- 10.6 Hazardous decomposition products**

11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Skin contact	Prolonged contact with skin may cause irritation.
Eye contact	Will irritate and inflame eyes.
Inhalation	There may be irritation of the nose, throat and lungs.

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Ingestion Will irritate, mouth throat and stomach during 48 hours).

12: ECOLOGICAL INFORMATION

- 12.1 Toxicity**
Negligible ecotoxicity
- 12.2 Persistence and Degradability**
Easily biodegradable
- 12.3 Bioaccumulative Potential**
Not expected to bioaccumulate
- 12.4 Mobility in Soil**
Readily absorbed into soil.
- 12.5 Results of PBT and vPvB Assessment**
This mixture is not identified as a PBT.
- 12.6 Other Adverse Effects**
None

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Avoid pouring into drains or waterways.
Avoid contaminating the ground or water with waste.
Where practical, waste or surplus material should be recovered and recycled.
When disposing of waste or surplus material avoid contact with the eyes and skin. See Section 8 for personal protective equipment.

SECTION 14: TRANSPORT INFORMATION

- 14.1. UN number** Not classified.
- 14.2. UN proper shipping name** Not classified.
- 14.3. Transport hazard class(es)** Not classified.
- 14.4. Packing group** Not classified.
- 14.5. Environmental hazards** See Section 12.
- 14.6. Special precautions for user** Not applicable.
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

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15: REGULATORY INFORMATION

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

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: OTHER INFORMATION

This revision was updated from previous revision to incorporate requirements of REACH Regulation 1907/2006, CLP Regulation 1272/2008 and Safety Data Sheet format changes as per Annex II of REACH EU No 453/2010.

This revision:	No: 04
First issue:	29 September 1999
Revised:	31 July 2012

Explanation of Hazard Abbreviation(s) used in Section 3

Xn, Harmful; Xi, Irritant; F+ Extremely flammable; F, Highly flammable; N, Dangerous for the environment.

Full text of R-phrases referred to under sections 2 and 3

R10 Flammable
R11 Highly flammable
R22 Harmful if swallowed
R36: Irritating to eyes.
R38 Irritating to skin
R41 Risk of serious damage to eyes
R43 May cause sensitisation by skin contact
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed
R67: Vapours may cause drowsiness and dizziness.

Full text of H-Statements referred to under sections 2 and 3.

H319 - May be fatal if swallowed and enters airways
H336 – May cause drowsiness and dizziness.
H412 – Harmful to aquatic life with long lasting effects

Further information

Other information: || Indicates updated section.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

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The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

The data contained herein is based on information currently available to QTEK Manufacturing Ltd. and is believed to be factual. As a blender, and compounder, QTEK does not manufacture the raw materials used in this product and correspondingly relies on information provided to QTEK Manufacturing Ltd. from material safety data sheets on the specific raw materials in the construction of this material safety data sheet. Such information is, to the best of QTEK Manufacturing Ltd's knowledge and belief, accurate and reliable as of the date of this MSDS. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO THE ACCURACY, RELIABILITY, OR COMPLETENESS. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular application. This information is not intended to be all-inclusive as of the manner and conditions of use, handling and storage. Other factors may involve other or additional safety or performance considerations. This data is not to be taken as a warranty or representation of which QTEK Manufacturing Ltd. assumes legal responsibility.