

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

1.1. Product identifier

Product form : Mixtures
Product name : QT 40
Product code : 001116
Product group : Blend

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

1.2.1. Relevant identified uses

Main use category : Industrial use
Industrial/Professional use spec : Industrial
For professional use only
Use of the substance/mixture : Cosmetic ingredient

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

GREENTECH
Biopôle Clermont Limagne
63360 SAINT BEAUZIRE - FRANCE
T + 33 473 33 99 00 - F 04 73 33 91 32
greentech@greentech.fr

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Worldwide	World directory of poisons centres (Yellow Tox) WHO-OMS		http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
GLYCERIN	(CAS-No.) 56-81-5 (EC-No.) 200-289-5 (REACH-no) exempté 1907/2006/EC Annex V.9	50 - 75	Not classified

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AQUA	(CAS-No.) 7732-18-5 (EC-No.) 231-791-2 (REACH-no) Exemptée annexe I	10 - 20	Not classified
HYDROLYZED ULVA LACTUCA EXTRACT	(CAS-No.) 97281-59-9 (EC-No.) 306-561-0	1 - 10	Not classified

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Assure fresh air breathing. Respiratory problems: consult a doctor/medical service. Allow the victim to rest.
First-aid measures after skin contact	: Rinse with water. Soap may be used. If irritation persists, consult a doctor. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Do not apply (chemical) neutralizing agents. Consult an ophthalmologist if irritation persists. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth out with water. Immediately after ingestion: give lots of water to drink. Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects after inhalation	: Irritation of the nasal mucous membranes. May cause respiratory irritation.
Symptoms/effects after eye contact	: Redness of the eye tissue. Not irritating.
Symptoms/effects after ingestion	: Ingestion may cause nausea, vomiting and diarrhea.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Carbon dioxide. Dry powder. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible liquid. direct fire hazard.
Explosion hazard	: No direct explosion hazard.
Reactivity in case of fire	: Decomposes on exposure to temperature rise: release of toxic/corrosive/combustible gases/vapours acrolein. On burning: release of carbon monoxide - carbon dioxide. Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion. Reacts violently with (some) acids: (increased) risk of fire/explosion.

5.3. Advice for firefighters

Firefighting instructions	: Evacuate area. Prevent fire fighting water from entering the environment. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Cool adjacent tanks / containers / drums with water jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Mark the danger area. Exposure to heat: have neighbourhood close doors and windows. Exposure to fire/heat: consider evacuation. Wash contaminated clothes. Handle in accordance with good industrial hygiene and safety practice.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable protective clothing, gloves and eye/face protection. Wear suitable respiratory equipment. Avoid contact with skin and eyes. Evacuate area.
Emergency procedures	: If spillage occurs on the public highway, indicate the danger and notify the authorities (police, fire brigade). Evacuate the danger area. Stop leak if safe to do so. Ventilate area. Evacuate unnecessary personnel.

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6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing, gloves and eye/face protection. Wear suitable respiratory equipment. Avoid contact with skin and eyes. Equip cleanup crew with proper protection.
- Emergency procedures : If spillage occurs on the public highway, indicate the danger and notify the authorities (police, fire brigade). Evacuate the danger area. Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Dike for recovery or absorb with appropriate material. Stop leak if safe to do so.
- Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation. Notify authorities if product enters sewers or public waters. Take up liquid spill into absorbent material. Clean with detergents. Avoid solvent cleaners. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
- Other information : Comply with local regulations for disposal.

6.4. Reference to other sections

For further information refer to section 13. See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from sources of ignition - No smoking. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in original container. Keep container closed when not in use. Store tightly closed in a dry and cool place.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.
- Information on mixed storage : Keep away from. Heat sources. Strong bases. OXIDIZING AGENTS. Strong acids.
- Storage area : Store in a well-ventilated place. Store at ambient temperature. Keep out of direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment:

Gloves. Safety glasses. Protective clothing. Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

Wear appropriate mask



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Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Light yellow to amber.
Odour	: characteristic.
Odour threshold	: No data available
pH	: 4 - 6,5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Water: Soluble Ethanol: Insoluble
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Decomposes on exposure to temperature rise: release of toxic/corrosive/combustible gases/vapours acrolein. On burning: release of carbon monoxide - carbon dioxide. Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion. Reacts violently with (some) acids: (increased) risk of fire/explosion.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Avoid shock and friction. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

GLYCERIN (56-81-5)	
LD50 oral rat	27200 mg/kg (Rat; experimental value)
LC50 inhalation rat (mg/l)	> 2,75 mg/l/4h (Rat; experimental value)

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Skin corrosion/irritation	: Skin irritation (Product tested at 50%) : Very good skin compatibility pH: 4 - 6,5
Serious eye damage/irritation	: Eye irritation (product tested 10%): moderately irritating pH: 4 - 6,5
Respiratory or skin sensitisation	: Sensitization (product tested at 50%): good skin compatibility
Germ cell mutagenicity	: Mutagenicity test (product tested at 50%): not mutagenic
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

GLYCERIN (56-81-5)	
LC50 fish 1	54000 mg/l (96h, SALMO GAIRDNERI/ONCORHYNCHUS MYKISS)
LC50 fish 2	> 1000 g/l (96h, PISCES)
LC50 other aquatic organisms 1	> 1000 mg/l (96h)
EC50 Daphnia 2	> 10000 mg/l (24h, DAPHNIA MAGNA, LOCOMOTION)
EC50 other aquatic organisms 1	> 1000 mg/l (BACTERIA, ACTIVE MUD)
TLM fish 1	> 1000 ppm (96h, PISCES)
TLM other aquatic organisms 1	> 1000 ppm (96h)
Threshold limit other aquatic organisms 1	2900 mg/l (192, MICROCYSTIS AERUGINOSA, TOXICITY TEST)
Threshold limit other aquatic organisms 2	> 10000 mg/l (16h, PSEUDOMONAS PUTIDA, TOXICITY TEST)
Threshold limit algae 1	> 10000 mg/l (168h, SCENEDESMUS QUADRICAUDA, TOXICITY TEST)

12.2. Persistence and degradability

GLYCERIN (56-81-5)	
Biochemical oxygen demand (BOD)	0,87 g O ₂ /g substance
Chemical oxygen demand (COD)	1,16 g O ₂ /g substance (ISO15705)
ThOD	1,217 g O ₂ /g substance
BOD (% of ThOD)	71 % ThOD

12.3. Bioaccumulative potential

GLYCERIN (56-81-5)	
Log Pow	-1,76 - 2,6

12.4. Mobility in soil

GLYCERIN (56-81-5)	
Surface tension	0,063 N/m (20°C)
Ecology - soil	Biodegradability in soil: no data available.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Take up liquid spill into absorbent material, e.g.: dry sand/earth/vermiculite or kieselguhr. Wash down leftovers with plenty of water. Wash clothing and equipment after handling.
Ecology - waste materials	: Remove to an authorized waste treatment plant. Do not discharge into drains or the environment. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

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14.1. UN number

UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: Not applicable
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IMDG

Transport hazard class(es) (IMDG)	: Not applicable
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IATA

Transport hazard class(es) (IATA)	: Not applicable
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ADN

Transport hazard class(es) (ADN)	: Not applicable
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RID

Transport hazard class(es) (RID)	: Not applicable
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14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

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

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : 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.

Other information : None.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product