

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
 Product name : E.P.G.C - REASEC 10
 Product code : LIQ0548
 Type of product : Detergent

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

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

E.P.G.C.
 13, Rue des Forts
 59960 Neuville-en-Ferrain - France
 T 0033 3 20 25 06 21
info@epgc.com - www.epgc.com

1.4. Emergency telephone number

Emergency number : INRS/ORFILA (France) : 33 1 45 42 59 59

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 3 H226
 Skin Irrit. 2 H315
 Eye Dam. 1 H318

Full text of H-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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

Hazard pictograms (CLP) :



GHS02

GHS05

Signal word (CLP) :

Danger

Hazardous ingredients

: alcohols, C12-C15, ethoxylated, propoxylated

Hazard statements (CLP)

: H226 - Flammable liquid and vapour
 H315 - Causes skin irritation
 H318 - Causes serious eye damage

Precautionary statements (CLP)

: P210 - Keep away from sparks, open flames, heat, hot surfaces. - No smoking
 P280 - Wear protective gloves, eye protection, face protection
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P310 - Immediately call a POISON CENTER or doctor/physician
 P403+P235 - Store in a well-ventilated place. Keep cool
 P501 - Dispose of contents/container to hazardous or special waste collection point

2.3. Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
alcohols, C12-C15, ethoxylated, propoxylated	(CAS No) 120313-48-6	15 - 30	Xi; R41 Xi; R38 N; R50
2-propanol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0 (REACH-no) 01-2119457558-25	5 - 15	F; R11 Xi; R36 R67
ethanol, ethyl alcohol	(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5	5 - 15	F; R11
butanone, ethyl methyl ketone substance with a Community workplace exposure limit	(CAS No) 78-93-3 (EC no) 201-159-0 (EC index no) 606-002-00-3 (REACH-no) 01-2119547290-43	< 0.1	F; R11 Xi; R36 R66 R67

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
alcohols, C12-C15, ethoxylated, propoxylated	(CAS No) 120313-48-6	15 - 30	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
2-propanol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0 (REACH-no) 01-2119457558-25	5 - 15	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
ethanol, ethyl alcohol	(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5	5 - 15	Flam. Liq. 2, H225
butanone, ethyl methyl ketone substance with a Community workplace exposure limit	(CAS No) 78-93-3 (EC no) 201-159-0 (EC index no) 606-002-00-3 (REACH-no) 01-2119547290-43	< 0.1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible). If on skin, take off contaminated clothing.
First-aid measures after inhalation	: Remove victim to fresh air. Allow breathing of fresh air. If not breathing, give artificial respiration.
First-aid measures after skin contact	: Wash with plenty of soap and water.
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. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: Rinse mouth.

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

Symptoms/injuries after inhalation	: Cough. Sore throat. Shortness of breath.
Symptoms/injuries after skin contact	: Irritating to skin.
Symptoms/injuries after eye contact	: Redness, pain. Blurred vision.
Symptoms/injuries after ingestion	: Abdominal pain, nausea. Can occur: gastrointestinal disturbance.

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	: Alcohol resistant foam. Carbon dioxide. Water spray. Dry powder.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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5.2. Special hazards arising from the substance or mixture

- Fire hazard : This product is flammable.
Explosion hazard : Product is not explosive.
Hazardous decomposition products in case of fire : Toxic vapours. fume. carbon oxides (CO and CO₂).

5.3. Advice for firefighters

- Precautionary measures fire : Self-contained breathing apparatus when in close proximity to fire.
Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Use water spray or fog for cooling exposed containers.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove ignition sources. Ventilate area.

6.1.1. For non-emergency personnel

- Protective equipment : Personal protection. See Heading 8.2.
Emergency procedures : Avoid inhalation of vapours and fumes. Evacuate area.

6.1.2. For emergency responders

- Protective equipment : Personal protection. See Heading 8.2. Equip cleanup crew with proper protection.
Emergency procedures : Mark out the contaminated area with signs and prevent access to unauthorized personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Dike for recovery or absorb with appropriate material.
Methods for cleaning up : Take up liquid spill into inert absorbent material, e.g.: sand, earth, vermiculite or kieselguhr. Rinse with plenty of water.

6.4. Reference to other sections

See Heading 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Do not breathe Vapours. Use only non-sparking tools.
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Install a retention tank.
Storage conditions : Keep in a cool, well-ventilated place. Keep container closed when not in use.
Incompatible products : Strong bases. Oxidizing agent.
Incompatible materials : May be corrosive to some metals.
Storage temperature : 4 - 25 °C
Heat and ignition sources : Keep away from sources of ignition - No smoking.
Storage area : Store away from heat. Store in a well-ventilated place.
Special rules on packaging : Keep only in original container. Do not store in corrodable metal. Store in a closed container.
Packaging materials : PEHD. Do not store in corrodable metal.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-propanol (67-63-0)		
France	VME (mg/m ³)	980 mg/m ³
France	VME (ppm)	400 ppm
ethanol, ethyl alcohol (64-17-5)		
France	VME (mg/m ³)	1900 mg/m ³
France	VME (ppm)	1000 ppm

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ethanol, ethyl alcohol (64-17-5)		
France	VLE (mg/m ³)	9500 mg/m ³
France	VLE (ppm)	5000 ppm
butanone, ethyl methyl ketone (78-93-3)		
EU	Local name	Butanone
EU	IOELV TWA (mg/m ³)	600 mg/m ³
EU	IOELV TWA (ppm)	200 ppm
EU	IOELV STEL (mg/m ³)	900 mg/m ³
EU	IOELV STEL (ppm)	300 ppm
France	VME (mg/m ³)	600 mg/m ³
France	VME (ppm)	200 ppm
France	VLE (mg/m ³)	900 mg/m ³
France	VLE (ppm)	300 ppm

8.2. Exposure controls

Appropriate engineering controls	: Provide local exhaust or general room ventilation.
Personal protective equipment	: Insulated gloves. Safety glasses.
Hand protection	: Wear suitable gloves resistant to chemical penetration. (EN 374)
Eye protection	: Eye protection (standard EN 166)
Skin and body protection	: Avoid contact with skin. Use chemically protective clothing and boots (type PVC).
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment



Thermal hazard protection	: None necessary.
Environmental exposure controls	: Prevent entry to sewers and public waters. Avoid release to the environment.
Other information	: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. The equipment must be cleaned thoroughly after each use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Blue.
Odour	: Alcohol.
Odour threshold	: Not determined
pH	: 3 - 4
Relative evaporation rate (butylacetate=1)	: Not tested
Relative evaporation rate (ether=1)	: Not tested
Melting point	: Not tested
Freezing point	: Not tested
Boiling point	: Not tested
Flash point	: > 38 °C (estimated value)
Critical temperature	: Not applicable
Auto-ignition temperature	: Not tested
Decomposition temperature	: Not applicable
Flammability (solid, gas)	: Not applicable
Vapour pressure	: Not tested
Relative vapour density at 20 °C	: Not tested
Relative density	: 0,92 - 1,02
Solubility	: Material highly soluble in water.
Log Pow	: Not tested
Viscosity, kinematic	: Not tested
Viscosity, dynamic	: Not tested
Explosive properties	: Product is not explosive.

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Oxidising properties : Not applicable.
Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of storage, handling and use.

10.2. Chemical stability

Stable under normal conditions of storage, handling and use.

10.3. Possibility of hazardous reactions

Contact with metallic substances may release flammable hydrogen gas.

10.4. Conditions to avoid

High temperature.

10.5. Incompatible materials

Oxidizing agent. Bases.

10.6. Hazardous decomposition products

Thermal decomposition may produce : Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

alcohols, C12-C15, ethoxylated, propoxylated (120313-48-6)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
2-propanol (67-63-0)	
LD50 oral rat	> 5000 mg/kg May cause corrosion or irritation of the linings of the mouth, throat, and gastrointestinal tract.
LD50 dermal rabbit	> 5000 mg/kg
LD50, Inhalation, rat	> mg/l (4 Hours, May cause irritation to the respiratory tract.)
ethanol, ethyl alcohol (64-17-5)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
butanone, ethyl methyl ketone (78-93-3)	
LD50 oral rat	3400 mg/kg
LD50 dermal rabbit	13000
LC50 inhalation rat (mg/l)	23500 mg/m ³ 8 Hours

Skin corrosion/irritation : Causes skin irritation.
pH: 3 - 4

Serious eye damage/irritation : Causes serious eye damage.
pH: 3 - 4

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

alcohols, C12-C15, ethoxylated, propoxylated (120313-48-6)	
LC50 fishes 1	0,1 - 1 mg/l (Branchydanio rerio)(OECD 203 method)
LC50, Fish, Branchydanio rerio	0,1-1 mg/l (96 Hours)
EC50, aquatic invertebrates	1-10 mg/l (48 Hours)

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alcohols, C12-C15, ethoxylated, propoxylated (120313-48-6)	
EC50, algae, acute, Scenedesmus subspicatus	0.1-1 mg/l (72 Hours, (OCDE 201))
EC10, microorganisms, Pseudomonas putida	> 1000 mg/l
EC10, long term, Scenedesmus subspicatus	0.1 - 1 mg/l
2-propanol (67-63-0)	
LC50 fishes 1	9640 mg/l 96hours
EC50 Daphnia 1	> 1000 mg/l (Daphnia magna),4Hours
EC50 other aquatic organisms 2	> 1000 mg/l algae, 72hours
ethanol, ethyl alcohol (64-17-5)	
EC50, daphnia	> mg/l (Hours)
butanone, ethyl methyl ketone (78-93-3)	
LC50, fish, Pimephales promelas	mg/l (Hours)
EC50, crustaceans, Daphnia magna	520 mg/l (48 Hours)

12.2. Persistence and degradability

alcohols, C12-C15, ethoxylated, propoxylated (120313-48-6)	
Persistence and degradability	Biodegradable.
Biochemical oxygen demand (BOD)	0,31 g O ₂ /g substance
Chemical oxygen demand (COD)	2,215 g O ₂ /g substance
Biodegradation	>= 90 % Biodegradable.
2-propanol (67-63-0)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

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Log Pow	Not tested
alcohols, C12-C15, ethoxylated, propoxylated (120313-48-6)	
Bioaccumulative potential	Not expected.
2-propanol (67-63-0)	
Bioaccumulative potential	Not bioaccumulable.
ethanol, ethyl alcohol (64-17-5)	
Log Pow	- 0,35
butanone, ethyl methyl ketone (78-93-3)	
Log Pow	0,29

12.4. Mobility in soil

alcohols, C12-C15, ethoxylated, propoxylated (120313-48-6)	
Ecology - soil	Product adsorbs onto the soil.
2-propanol (67-63-0)	
Ecology - soil	Soluble in water.

12.5. Results of PBT and vPvB assessment

Component	
2-propanol (67-63-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Remove to an authorized waste treatment plant.
Sewage disposal recommendations	: May be discharged to wastewater treatment installation.
Waste disposal recommendations	: WHEN TOTALLY EMPTY, containers are recyclable like any other packing. Dispose of contents/container to hazardous or special waste collection point.
Ecology - waste materials	: Avoid release to the environment.
European List of Waste (LoW) code	: 20 01 29* - detergents containing dangerous substances
H code	: H3-B - 'Flammable': liquid substances and preparations having a flash point equal to or greater than 21 °C and less than or equal to 55 °C. H4 - 'Irritant': non-corrosive substances and preparations which, through immediate, prolonged or repeated contact with the skin or mucous membrane, can cause inflammation.

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R code/ D code : D9 - Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR) : 1993
UN-No. (IMDG) : 1993
UN-No.(IATA) : 1993
UN-No.(ADN) : 1993
UN-No. (RID) : 1993

14.2. UN proper shipping name

Proper Shipping Name (ADR) : FLAMMABLE LIQUID, N.O.S.
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable
Transport document description (ADR) : UN 1993 FLAMMABLE LIQUID, N.O.S. (CONTAINS Propan-2-ol(67-63-0) ethanol, ethyl alcohol(64-17-5)), 3, III, (D/E)
Transport document description (IMDG) : UN 1993, 3, III

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 3
Danger labels (ADR) : 3



IMDG

Transport hazard class(es) (IMDG) : 3

IATA

Transport hazard class(es) (IATA) : 3

ADN

Transport hazard class(es) (ADN) : 3

RID

Transport hazard class(es) (RID) : 3
Danger labels (RID) : 3



14.4. Packing group

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

14.5. Environmental hazards

Dangerous for the environment : No

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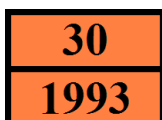
according to Regulation (EC) No. 453/2010

Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

Classification code (ADR) : F1
Special provisions (ADR) : 274, 601, 640E
Limited quantities (ADR) : 5L
Excepted quantities (ADR) : E1
Vehicle for tank carriage : FL
Transport category (ADR) : 3
Hazard identification number (Kemler No.) : 30
Orange plates :



Tunnel restriction code (ADR) : D/E

14.6.2. Transport by sea

MFAG-No : 127

14.6.3. Air transport

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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 substances with Annex XVII restrictions
E.P.G.C - REASEC 10 is not on the REACH Candidate List
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

Detergent Regulation : Labelling of contents:

Component	%
non-ionic surfactants	15-30%

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Indication of changes:

according to Regulation (EC) No. 453/2010.

	Supersedes	Added	
	Date of issue	Modified	
	Revision date	Modified	
2.1	Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]	Removed	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Added	

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2.2	Labelling according to Directive 67/548/EEC or 1999/45/EC	Removed	
2.2	Labelling according to Regulation (EC) No. 1272/2008 [CLP]	Added	

Full text of R-, H- and EUH-phrases:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects
R11	Highly flammable
R36	Irritating to eyes
R38	Irritating to skin
R41	Risk of serious damage to eyes
R50	Very toxic to aquatic organisms
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
F	Highly flammable
N	Dangerous for the environment
Xi	Irritant

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