

# TECHNO LGE

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 19/07/2019

Version: 1.1

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : **TECHNO LGE**  
UFI  
Product code : 306111  
Type of product : Detergent  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Intended for general public

Main use category : Professional use, Consumer use

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Registered company name : IPC - SAS.

Address : 10 quai MALBERT - CS 71821 .29218.BREST Cedex 2.FRANCE.

Telephone : 0298809172. Fax : 0298442253.

ipc@groupe-ipc.com www.ipc-sa.com

#### 1.4. Emergency telephone number

United Kingdom

**National Poisons Information Service (Cardiff Centre)**

Gwenwyn Ward, Llandough Hospital

Penarth

CF64 2XX Cardiff

**0344 892 0111**

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Flammable liquids, Category 3 H226

Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

Signal word (CLP) : Warning

Hazard statements (CLP) : H226 - Flammable liquid and vapour.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Child-resistant fastening : Not applicable

Tactile warning : Not applicable

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### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethanol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5 (REACH-no) 01-2119457610-43	25 - 50	Flam. Liq. 2, H225 Eye Irrit. 2, H319
propan-2-ol, isopropyl alcohol, isopropanol substance with national workplace exposure limit(s) (GB)	(CAS-No.) 67-63-0 (EC-No.) 200-661-7 (EC Index-No.) 603-117-00-0 (REACH-no) 01-2119457558-25	0,1 - 1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
butanone, ethyl methyl ketone substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (GB)	(CAS-No.) 78-93-3 (EC-No.) 201-159-0 (EC Index-No.) 606-002-00-3 (REACH-no) 01-2119457290-43	0,1 - 1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Ethanol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5 (REACH-no) 01-2119457610-43	( 50 =<C < 100) Eye Irrit. 2, H319

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

- Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.

### 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 : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable liquid and vapour.
- Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

#### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

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### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## 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 heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Ethanol (64-17-5)		
United Kingdom	Local name	Ethanol
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	1000 ppm
United Kingdom	Regulatory reference	EH40. HSE
propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)		
United Kingdom	Local name	Propan-2-ol
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	999 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	400 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	1250 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	500 ppm
United Kingdom	Regulatory reference	EH40. HSE
butanone, ethyl methyl ketone (78-93-3)		
EU	Local name	Butanone
EU	IOELV TWA (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	200 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	900 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	300 ppm
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
United Kingdom	Local name	Butan-2-one (methyl ethyl ketone)
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	899 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	300 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)
United Kingdom	Regulatory reference	EH40. HSE

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Hand protection:

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Protective gloves

### Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Green.
Odour	: characteristic.
Odour threshold	: No data available
pH	: 6 - 9
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: ≈ -20 °C
Boiling point	: > 35 °C
Flash point	: 23 - 55 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ≈ 0,957 kg/l
Solubility	: No data available
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

VOC content : ≈ 265 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Flammable liquid and vapour.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

<b>Ethanol (64-17-5)</b>	
LD50 oral rat	10470 mg/kg bodyweight (OECD 401 method)
LD50 dermal rabbit	> 15800 mg/kg (OECD 402 method)
LC50 inhalation rat (mg/l)	124,7 mg/l/4h (OECD 403 method)

<b>propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)</b>	
LD50 oral rat	5840 mg/kg (OECD 401 method)
LD50 dermal rabbit	16,4 ml/kg (OECD 402 method)
LC50 inhalation rat (ppm)	> 10000 ppm (ppm/6h, vapour) [OECD 403]

<b>butanone, ethyl methyl ketone (78-93-3)</b>	
LD50 oral rat	2054 mg/kg (rat, male) [OECD 423]
LD50 oral	2328 mg/kg (rat, female) [OECD 423]
LD50 dermal rabbit	> 10 ml/kg (OECD 402 method)

Skin corrosion/irritation : Not classified  
pH: 6 - 9

Serious eye damage/irritation : Not classified  
pH: 6 - 9

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

<b>Ethanol (64-17-5)</b>	
LOAEL (oral, rat, 90 days)	4 mg/kg bodyweight/day (OECD 408 method)

<b>butanone, ethyl methyl ketone (78-93-3)</b>	
NOAEC (inhalation, rat, gas, 90 days)	5041 ppmv/6h/day (OECD 413 method)

Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

<b>Ethanol (64-17-5)</b>	
LC50 fish 1	15300 mg/l (Pimephales promelas, 96h) [US EPA method E03-05]
LC50 other aquatic organisms 1	5012 mg/l (Ceriodaphnia dubia, 48h) [ASTM E729-80]
EC50 other aquatic organisms 1	12900 mg/l (Pimephales promelas, 96h) [US EPA method E03-05]
NOEC chronic crustacea	9,6 mg/l (Ceriodaphnia dubia, 10d, fresh water, semi static)

<b>propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)</b>	
LC50 fish 1	9640 mg/l (Pimephales promelas, 96h) [OECD 203]
LC50 other aquatic organisms 1	> 10000 mg/l (Daphnia magna, 24h) [OECD 202]

<b>butanone, ethyl methyl ketone (78-93-3)</b>	
LC50 fish 1	2993 mg/l (Pimephales promelas, 96h) [OECD 203]
EC50 Daphnia 1	308 mg/l (Daphnia magna, 48h) [OECD 202]
ErC50 (algae)	1972 mg/l (Algae, 72h) [OECD 201]
NOEC (acute)	1170 mg/l (Pimephales promelas, 96h) [OECD 203]

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### 12.2. Persistence and degradability

Lave Glace -20°C écologique	
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
Ethanol (64-17-5)	
Biodegradation	84 % (20d) (experimental)
propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
Biodegradation	53 % (5d)
butanone, ethyl methyl ketone (78-93-3)	
Biodegradation	98 % (28d) (experimental)

### 12.3. Bioaccumulative potential

Ethanol (64-17-5)	
Log Pow	-0,3
Log Kow	-0,35 (20 °C)
propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
Log Pow	0,05
butanone, ethyl methyl ketone (78-93-3)	
Log Pow	3
Log Kow	0,3 (40 °C)

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations






### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

## SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1987	1987	1987	1987	1987
14.2. UN proper shipping name				
ALCOHOLS, N.O.S.	ALCOHOLS, N.O.S.	Alcohols, n.o.s.	ALCOHOLS, N.O.S.	ALCOHOLS, N.O.S.
Transport document description				
UN 1987 ALCOHOLS, N.O.S. (Ethanol ; methanol ; propan-2-ol, isopropyl alcohol, isopropanol ; Ethanol ; propan-2-ol, isopropyl alcohol, isopropanol), 3, III, (D/E)	UN 1987 ALCOHOLS, N.O.S. (Ethanol ; methanol ; propan-2-ol, isopropyl alcohol, isopropanol ; Ethanol ; propan-2-ol, isopropyl alcohol, isopropanol), 3, III	UN 1987 Alcohols, n.o.s. (Ethanol ; methanol ; propan-2-ol, isopropyl alcohol, isopropanol ; Ethanol ; propan-2-ol, isopropyl alcohol, isopropanol), 3, III	UN 1987 ALCOHOLS, N.O.S. (Ethanol ; methanol ; propan-2-ol, isopropyl alcohol, isopropanol ; Ethanol ; propan-2-ol, isopropyl alcohol, isopropanol), 3, III	UN 1987 ALCOHOLS, N.O.S. (Ethanol ; methanol ; propan-2-ol, isopropyl alcohol, isopropanol ; Ethanol ; propan-2-ol, isopropyl alcohol, isopropanol), 3, III
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
III	III	III	III	III

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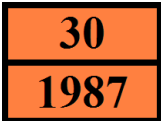

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ADR	IMDG	IATA	ADN	RID
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

### 14.6. Special precautions for user

#### - Overland transport

Classification code (ADR)	: F1
Special provisions (ADR)	: 274, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30
Orange plates	:  
Tunnel restriction code (ADR)	: D/E
EAC code	: •3YE

#### - Transport by sea

Special provisions (IMDG)	: 223, 274
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-D
Stowage category (IMDG)	: A

#### - Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provisions (IATA)	: A3, A180
ERG code (IATA)	: 3L

#### - Inland waterway transport

Classification code (ADN)	: F1
Special provisions (ADN)	: 274, 601
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1

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Carriage permitted (ADN) : T  
Equipment required (ADN) : PP, EX, A  
Ventilation (ADN) : VE01  
Number of blue cones/lights (ADN) : 0

### - Rail transport

Classification code (RID) : F1  
Special provisions (RID) : 274, 601  
Limited quantities (RID) : 5L  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P001, IBC03, LP01, R001  
Mixed packing provisions (RID) : MP19  
Portable tank and bulk container instructions (RID) : T4  
Portable tank and bulk container special provisions (RID) : TP1, TP29  
Tank codes for RID tanks (RID) : LGBF  
Transport category (RID) : 3  
Special provisions for carriage – Packages (RID) : W12  
Colis express (express parcels) (RID) : CE4  
Hazard identification number (RID) : 30

### 14.7. Transport in bulk according to Annex II of Marpol 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 REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

VOC content : ≈ 265 g/l

#### 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

Indication of changes:

Section	Changed item	Change	Comments
12.2	Biodegradation	Added	
14.2	Composition/information on ingredients	Added	

Full text of H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Flam. Liq. 3	H226	On basis of test data
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*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.*