

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

1.1. Product identifier

Product form : Mixture
Trade name : **LAVE GLACES -20 °C PARFUME**
Product code : SDS131
Type of product : Detergent

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Windshield washer fluid ready to use
Use of the substance/mixture : Detergent

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ACIA AUTOMOTIVE
Zone Industrielle
80600 DOULLENS
T +33(0)3 22 77 16 06
fds@acia-automotive.eu - www.acia-automotive.eu

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
UNITED KINGDOM	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)

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

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

R10

Full text of R-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

Signal word (CLP) : Warning
Hazard statements (CLP) : H226 - Flammable liquid and vapour
Precautionary statements (CLP) : P102 - Keep out of reach of children
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P403+P235 - Store in a well-ventilated place. Keep cool
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
Extra phrases : Contains : Perfume

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
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	F; R11
Ethenediol substance with a Community workplace exposure limit	(CAS No) 107-21-1 (EC no) 203-473-3 (EC index no) 603-027-00-1 (REACH-no) 01-2119456816-28	0,1 - 1	Xn; R22
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	F; R11 Xi; R36 R66 R67
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
Ethenediol substance with a Community workplace exposure limit	(CAS No) 107-21-1 (EC no) 203-473-3 (EC index no) 603-027-00-1 (REACH-no) 01-2119456816-28	0,1 - 1	Acute Tox. 4 (Oral), H302 STOT RE 2, H373
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
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	(C >= 50) Eye Irrit. 2, H319	

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	: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: In the event of faintness in consequence of exposure, immediately transport the victim to the fresh air. If breathing stops, give artificial respiration. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after skin contact	: Wash contaminated clothing before reuse. Wash with plenty of soap and water. Seek medical attention if ill effect or irritation develops.
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. Contact ophthalmologist immediately.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to an unconscious person.

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

Symptoms/injuries after inhalation	: Symptoms may include dizziness, headache, nausea and loss of coordination.
Symptoms/injuries after skin contact	: Redness. Itching.
Symptoms/injuries after eye contact	: Redness. Pain.
Symptoms/injuries after ingestion	: Symptoms of ingestion include drowsiness, weakness, headache, dizziness, nausea, vomiting.

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

5.2. Special hazards arising from the substance or mixture

Explosion hazard : May form flammable/explosive vapour-air mixture.

Reactivity in case of fire : On burning: release of (highly) toxic gases/vapours.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment. Exercise caution when fighting any chemical fire.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Keep public away. Eliminate all ignition sources if safe to do so. Concerning personal protective equipment to use, see section 8.

Emergency procedures : Provide adequate ventilation.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and gloves. Avoid breathing vapours. Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area. Stop leak if safe to do so.

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

Methods for cleaning up : Take up liquid spill into inert absorbent material. Collect all waste in suitable and labelled containers and dispose according to local legislation.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. For disposal of residues refer to section 13 : Disposal considerations" .

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Keep away from sources of ignition - No smoking. Do not eat, drink or smoke in areas where product is used. Use only non-sparking tools. Provide proper grounding. Prevent the build-up of electrostatic charge.

Hygiene measures : Keep away from food, drink and animal feeding stuffs. 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. Avoid contact with skin, eyes and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations. Ground/bond container and receiving equipment.

Storage conditions : Keep away from sources of ignition - No smoking. Store in original container. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Keep container tightly closed. Keep container closed when not in use.

Heat and ignition sources : No flames, no sparks. Eliminate all sources of ignition.

Prohibitions on mixed storage : Oxidation agents.

Storage area : Store away from heat. The floor of the depot should be impermeable and designed to form a water-tight basin.

Special rules on packaging : Keep only in original container.

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/m³)	1920 mg/m³
United Kingdom	WEL TWA (ppm)	1000 ppm
Ethanediol (107-21-1)		
EU	Local name	Ethylene glycol

LAVE GLACES -20 °C PARFUME

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Revision date: 19/01/2015

Version: 1.0

EU	IOELV TWA (mg/m³)	52 mg/m³
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m³)	104 mg/m³
EU	IOELV STEL (ppm)	40 ppm
EU	Notes	Skin
butanone, ethyl methyl ketone (78-93-3)		
EU	Local name	Butanone
EU	IOELV TWA (mg/m³)	600 mg/m³
EU	IOELV TWA (ppm)	200 ppm
EU	IOELV STEL (mg/m³)	900 mg/m³
EU	IOELV STEL (ppm)	300 ppm
United Kingdom	Local name	Butan-2-one
United Kingdom	WEL TWA (mg/m³)	600 mg/m³
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (mg/m³)	899 mg/m³
United Kingdom	WEL STEL (ppm)	300 ppm
United Kingdom	Remark (WEL)	Sk, BMGV

8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure. Safety glasses. Gloves. Protective clothing.
Materials for protective clothing	: Separate working clothes from town clothes. Launder separately
Hand protection	: Wear suitable gloves resistant to chemical penetration. Wear suitable gloves tested to EN374. Neoprene or nitrile rubber gloves. Time of penetration is to be checked with the glove producer
Eye protection	: Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Avoid the formation of mists in the atmosphere. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended



Other information	: Provide local exhaust or general room ventilation to minimize vapour concentrations.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: clear. pink.
Odour	: flowers.
Odour threshold	: No data available
pH	: 7,5 (6,5 - 9) [NF T 73-206]
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: <= 20 °C [ASTM D1177]
Boiling point	: No data available
Flash point	: 27,5 °C [ASTM D56]
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
Density	: 0,958 (0,95 - 0,965) g/cm³ (20 °C) [NF T 60-172]
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	: 30 %
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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

All heat sources, including direct sunlight. Sparks. Open flame.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
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Ethanol (64-17-5)	
LD50 oral rat	10470 mg/kg bodyweight (OECD 401 method)
LD50 oral	10470 mg/kg bodyweight
LD50 dermal	15800 mg/kg bodyweight
LC50 inhalation rat (mg/l)	124,7 mg/l/4h (OECD 403 method)
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 99,999 mg/l/4h
Ethanediol (107-21-1)	
LD50 oral rat	7712 mg/kg [Source: CSR]
LD50 dermal rabbit	9530 mg/kg
LD50 dermal	> 3500 mg/kg (mouse) [Source: CSR]
LC50 inhalation rat (mg/l)	> 2,5 mg/l (6h) [Source: CSR]
butanone, ethyl methyl ketone (78-93-3)	
LD50 oral rat	2054 mg/kg (OECD 423 method)
LD50 oral	2328 mg/kg (OECD 423 method)
LD50 dermal rabbit	> 10 mg/kg bodyweight (OECD 402 method)
LC50 inhalation rat (mg/l)	34 mg/l/4h
LC50 inhalation rat (ppm)	11300 ppm/4h

Skin corrosion/irritation	: Not classified pH: 7,5 (6,5 - 9) [NF T 73-206]
Serious eye damage/irritation	: Not classified pH: 7,5 (6,5 - 9) [NF T 73-206]
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Ethanol (64-17-5)	
NOAEL (chronic, oral, animal/male, 2 years)	> 4000 mg/kg bodyweight (OECD 451 method)
NOAEL (chronic, oral, animal/female, 2 years)	> 4250 mg/kg bodyweight (OECD 451 method)
Ethanediol (107-21-1)	
NOAEL (chronic, oral, animal/male, 2 years)	1000 mg/kg bodyweight
NOAEL (chronic, oral, animal/female, 2 years)	1000 mg/kg bodyweight

Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified

Ethanol (64-17-5)	
LOAEL (oral, rat, 90 days)	4 mg/kg bodyweight/day
NOAEL (inhalation, rat, vapour, 90 days)	> 20 mg/l/6h/day
Ethanediol (107-21-1)	
NOAEL (subacute, oral, animal/male, 28 days)	200 mg/kg bodyweight (OECD 407 method)
NOAEL (subacute, oral, animal/female, 28 days)	200 mg/kg bodyweight (OECD 407 method)
butanone, ethyl methyl ketone (78-93-3)	
NOAEL (inhalation, rat, gas, 90 days)	5041 ppmv/6h/day
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ethanol (64-17-5)	
LC50 fishes 1	15300 mg/l (Pimephales promelas, 96h) [US EPA]
EC50 Daphnia 1	> 10000 mg/l (Daphnia magna, 48h)
EC50 other aquatic organisms 1	275 mg/l EC50 waterflea (48 h)
LC50 fish 2	11200 mg/l (Salmo gairdneri / Oncorhynchus mykiss, 24h) [US EPA]
EC50 Daphnia 2	5012 (Ceriodaphnia dubia, 48h) [ASTM E729-80]
EC50 other aquatic organisms 2	5012 mg/l IC50 alga (72 h) mg/l
ErC50 (algae)	275 mg/l (Chlorella vulgaris, 72h) [OECD 201]
NOEC chronic crustacea	9,6 mg/l (Ceriodaphnia dubia, 10d) [fresh water]
Ethanediol (107-21-1)	
LC50 fishes 1	72860 mg/l (Pimephales promelas, 96h) [Source: CSR]
EC50 Daphnia 1	> 100 mg/l (Daphnia magna, 48h) [Source: CSR]
ErC50 (algae)	6500 - 13000 mg/l (Pseudokirchneriella subcapitata, 96h) [Source: CSR]
NOEC chronic fish	15380 mg/l (Pimephales promelas, 7d)
NOEC chronic crustacea	8590 mg/l (Ceriodaphnia sp., 7d)
butanone, ethyl methyl ketone (78-93-3)	
LC50 fishes 1	2990 mg/l (OECD 203 method)
EC50 Daphnia 1	308 mg/l (OECD 202 method)
ErC50 (algae)	1972 mg/l (OECD 201 method)

12.2. Persistence and degradability

Ethanol (64-17-5)	
Biodegradation	84 % (20d) (experimental)
Ethanediol (107-21-1)	
Persistence and degradability	Readily biodegradable, according to appropriate OECD test.
Biodegradation	90 - 100 % (experimental value; 10d)
butanone, ethyl methyl ketone (78-93-3)	
Biodegradation	98 % (28d) (experimental)

12.3. Bioaccumulative potential

Ethanol (64-17-5)	
Log Kow	-0,35 (20 °C)
Ethanediol (107-21-1)	
Log Pow	-1,36
Bioaccumulative potential	None.
butanone, ethyl methyl ketone (78-93-3)	
Log Kow	0,3 (40 °C)

12.4. Mobility in soil

LAVE GLACES -20 °C PARFUME	
Surface tension	32 (≤ 35) mN/m [NF T 73-070]

Ethanediol (107-21-1)	
Surface tension	0,048 N/m (@20°C)
Log Koc	0 [SRC PCKOCWIN V1.66] (calculated)
Ecology - soil	Material highly soluble in water.

12.5. Results of PBT and vPvB assessment

Component	
Ethanediol (107-21-1)	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

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Destroy at an authorised site.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1993	1993	1993	1993	1993
14.2. UN proper shipping name				
FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	Flammable liquid, n.o.s.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.
Transport document description				
UN 1993 FLAMMABLE LIQUID, N.O.S. (Ethanol), 3, III, (D/E)	UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III			
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
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

14.6. Special precautions for user

14.6.1. Overland transport

Classification code (ADR) : F1
 Special provisions (ADR) : 274, 601, 640E
 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

14.6.2. Transport by sea

Special provisions (IMDG) : 223, 274, 955

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

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-E

Stowage category (IMDG) : A

14.6.3. 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

ERG code (IATA) : 3L

14.6.4. Inland waterway transport

Classification code (ADN) : F1

Special provisions (ADN) : 274, 61, 64E

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Carriage permitted (ADN) : T

Equipment required (ADN) : PP, EX, A

Ventilation (ADN) : VE01

Number of blue cones/lights (ADN) : 0

Carriage prohibited (ADN) : No

Not subject to ADN : No

14.6.5. Rail transport

Classification code (RID) : F1

Special provisions (RID) : 274, 601, 640E

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

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

LAVE GLACES -20 °C PARFUME is not on the REACH Candidate List

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 30 %

Detergent Regulation : Labelling of contents:

Component	%
Perfume	

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

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

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
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 RE 2	Specific target organ toxicity — Repeated exposure, 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
H302	Harmful if swallowed
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H373	May cause damage to organs through prolonged or repeated exposure
R10	Flammable
R11	Highly flammable
R22	Harmful if swallowed
R36	Irritating to eyes
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
F	Highly flammable
Xi	Irritant
Xn	Harmful

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