

Safety Data Sheet

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

Reference number: 0091

Issue date: 2/2/2021 Supersedes version of: 6/3/2015 Version: 1.0

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

1.1. Product identifier

Product form : Mixture

Trade name : ALCOOL A BRULER (ETHANOL BLEU DENATURE)

Product code : 0091

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

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

LAMBERT CHEMICALS SPRL Z.I. Hauts Sarts - rue de l'Abbaye, 55 4040 Herstal - BELGIUM T +32/4/248.86.60 - F +32/4/248.86.61

1.4. Emergency telephone number

Emergency number : +32/70/245.245

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

H225 Flammable liquids, Category 2

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour.

2.2. Label elements

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

Hazard pictograms (CLP)

GHS02

Signal word (CLP) : Danger Contains : Ethanol

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.

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

P102 - Keep out of reach of children.

P103 - Read carefully and follow all instructions.

P233 - Keep container tightly closed.

P235 - Keep cool.

P280 - Wear protective gloves / protective clothing / eye protection / face protection. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water / shower.

P370+P378 - In case of fire: Use foam, dry extinguishing powder, carbon dioxide (CO2) to

extinguish.

P501 - Dispose of contents/container to a hazardous or special waste collection point.

2.3. Other hazards

Other hazards not contributing to the classification

: Vapour mixes readily with air, forming explosive mixtures. Vapours may be heavier than air, spread along the ground and collect in low or confined areas. A health dangerous concentration in the air will not or very slowly be reached by evaporation of this substance at app. 20°C; by spraying much faster. May cause eye irritation.

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

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]
Ethanol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5 (REACH-no) 01-2119457610-43	> 83	Flam. Liq. 2, H225
Butanone	(CAS-No.) 78-93-3 (EC-No.) 201-159-0 (EC Index-No.) 606-002-00-3 (REACH-no) 01-2119457290-43	≈ 2	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Isopropyl alcohol	(CAS-No.) 67-63-0 (EC-No.) 200-661-7 (EC Index-No.) 603-117-00-0 (REACH-no) 01-2119457558-25	≈ 2	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Full text of H-statements: see section 16

SECTION 4: First aid measures

First-aid measures after skin contact

4.1. Description of first aid measures

First-aid measures general : In case of doubt or persistent symptoms, consult always a physician. Never give anything by mouth to an unconscious person.

First-aid measures after inhalation : Assure fresh air breathing. Keep victim at rest in half upright position. In case of respiratory arrest, administer artificial respiration. Get medical advice/attention.

: Remove contaminated clothing and shoes. Rinse immediately with plenty of water. Obtain medical attention if irritation persists.

First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Contact ophthalmologist immediately.

First-aid measures after ingestion : Do not induce vomiting. Rinse mouth. Spit. Get immediate medical advice/attention.

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

Symptoms/effects after inhalation : In high concentrations may cause narcotic effects. Symptoms may include dizziness,

headache, nausea and loss of co-ordination. Cough. Unconsciousness.

Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking. Redness, pain.

Symptoms/effects after eye contact : Irritation. Redness, pain. Blurred vision.

Symptoms/effects after ingestion : May result in aspiration into the lungs, causing pneumonia. Headache. Dizziness.

Abdominal pain, nausea. Diarrhea.

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

Treat symptomatically. Symptoms may be delayed.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Alcohol resistant foam. Carbon dioxide (CO2). Water spray.

Unsuitable extinguishing media : Heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapour.

Explosion hazard : Vapour mixes readily with air, forming explosive mixtures. Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO2).

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling

exposed containers. Prevent fire fighting water from entering the environment.

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

General measures : Eliminate every possible source of ignition. No smoking.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Evacuate and limit access. Ventilate spillage area. Do not breathe vapours. Do not get in

eyes, on skin, or on clothing.

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. Clean up even minor leaks or spills, if possible, without unnecessary risk. Dike for recovery or absorb with appropriate material. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Collect leaking liquid in sealable containers.

Methods for cleaning up : Clean up any spills as soon as possible, using an inert absorbent material to collect it. Use

suitable disposal containers. Flush residue with large amounts of water.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8, 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : May form flammable/explosive vapour-air mixture. Flammable vapours may accumulate in

the container.

Precautions for safe handling : Provide local exhaust or general room ventilation. Do not breathe vapours. Do not get in

eyes, on skin, or on clothing. Wear recommended personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use special care to avoid static electric charges. Use explosion-proof equipment. Use only non-sparking tools. Do not use compressed air to either agitate or transfer the contents of

storage containers (tanks) / shipping drums containing this material.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product. Wash hands and other exposed areas with mild soap and water before eating,

drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep in fireproof place.

Keep container closed when not in use.

Incompatible materials : Oxidation agents. Strong acids.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Butanone (78-93-3)	
EU - Occupational Exposure Limits	
Local name	Butanone
IOELV TWA (mg/m³)	600 mg/m³
IOELV TWA (ppm)	200 ppm
IOELV STEL (mg/m³)	900 mg/m³
IOELV STEL (ppm)	300 ppm
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC

ALCOOL A BRULER (ETHANOL BLEU DENATURE)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	1900 mg/m³ (Ethanol)
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day (Ethanol)
Long-term - systemic effects, inhalation	950 mg/m³ (Ethanol)
DNEL/DMEL (General population)	
Acute - local effects, inhalation	950 mg/m³ (Ethanol)
Long-term - systemic effects,oral	87 mg/kg bodyweight/day (Ethanol)
Long-term - systemic effects, inhalation	114 mg/m³ (Ethanol)
Long-term - systemic effects, dermal	206 mg/kg bodyweight/day (Ethanol)
PNEC (Water)	
PNEC aqua (freshwater)	0.96 mg/l (Ethanol)
PNEC aqua (marine water)	0.79 mg/l (Ethanol)

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PNEC (Sediment)	
PNEC sediment (freshwater) 3.6 mg/kg (Ethanol)	
PNEC (Soil)	
PNEC soil 0.63 mg/kg (Ethanol)	

8.2. Exposure controls

Appropriate engineering controls:

Provide local exhaust or general room ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection:

Wear suitable gloves resistant to chemical penetration. (EN 374). Material: Butyl rubber. Nitrile.

Eye protection:

Chemical goggles or face shield with safety glasses.

Skin and body protection:

Wear suitable protective clothing. Antistatic clothing

Respiratory protection:

CE-approved respirator mask for organic vapours and solvents (type A, brown).

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 : Blue.
Odour : Alcohol.

Odour threshold : No data available

pH : 5.3 (100 g/l, 20°C) (Ethanol)

Relative evaporation rate (butylacetate=1) : 2.4
Relative evaporation rate (ether=1) : 8.3

Melting point : Not applicable : ≈ -114 °C (Ethanol) Freezing point : ≈ 78 °C (Ethanol) Boiling point Flash point : 12 °C (Ethanol) : 363 °C (Ethanol) Auto-ignition temperature Decomposition temperature : > 700 °C Flammability (solid, gas) : Not applicable Vapour pressure : No data available Relative vapour density at 20 °C : 1.6 (Ethanol)

Relative density : $0.806 - 0.85 \text{ kg/l } (20^{\circ}\text{C})$ Solubility : Soluble in water. Partition coefficient n-octanol/water (Log Pow) : -0.35 (Ethanol)

Viscosity, kinematic : No data available

Viscosity, dynamic : 1.2 mPa·s (20°C) (Ethanol)

Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

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9.2. Other information

Minimum ignition energy : 0.4 mJ (Ethanol)
Specific conductivity : 1,3*10E5 pS/m (Ethanol)

VOC content : > 83

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reacts violently with: Oxidizing agents and strong acids. An exothermic reaction may occur.

10.4. Conditions to avoid

High temperature.

10.5. Incompatible materials

Oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Thermal decomposition generates: Carbon oxides (CO, CO2).

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

Ethanol (64-17-5)	
LD50 oral rat	10470 mg/kg (OECD 401)
LD50 dermal rabbit	> 15800 mg/kg (OECD 402)
LC50 Inhalation - Rat (Vapours)	: 116,8-133,8 (OECD 403)

Butanone (78-93-3)	
LD50 oral rat	2193 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	32 mg/l/4h

Isopropyl alcohol (67-63-0)	
LD50 oral rat 5840 mg/kg	
LD50 dermal rabbit	13900 mg/kg
LC50 Inhalation - Rat	> 25000 mg/m³ (6 h)

Skin corrosion/irritation : Not classified

pH: 5.3 (100 g/l, 20°C) (Ethanol)

Additional information : Repeated exposure may cause skin dryness or cracking.

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Serious eye damage/irritation : Not classified

pH: 5.3 (100 g/l, 20°C) (Ethanol)

Additional information : Causes eye irritation

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

Aspiration hazard : Not classified

Additional information : Aspiration of this material may cause chemical pneumonia

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.

Hazardous to the aquatic environment, short-term

(acute)

Hazardous to the aquatic environment, long-term

: Not classified

: Not classified

(chronic)

Ethanol (64-17-5)	
LC50 fish 1	13000 mg/l (Oncorhynchus mykiss)
EC50 Daphnia 1	12340 mg/l
EC50 72h algae (1)	275 mg/l (Chlorella vulgaris)

Butanone (78-93-3)	
LC50 fish 1	2993 mg/l (Pimephales promelas)
EC50 Daphnia 1	308 mg/l
EC50 72h algae (1)	1972 mg/l (Pseudokirchneriella subcapitata)

Isopropyl alcohol (67-63-0)	
LC50 fish 1	9640 mg/l (Pimephales promelas)
EC50 Daphnia 1	> 1000 mg/l (24 h)
EC50 72h algae (1)	> 1000 mg/l (Scenedesmus subspicatus)

12.2. Persistence and degradability

ALCOOL A BRULER (ETHANOL BLEU DENATURE)	
Persistence and degradability	Biodegradable.

12.3. Bioaccumulative potential

ALCOOL A BRULER (ETHANOL BLEU DENATURE)	
Partition coefficient n-octanol/water (Log Pow)	-0.35 (Ethanol)
Bioaccumulative potential	Bioaccumulation less probable.

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12.4. Mobility in soil

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Ecology - soil In water, material soluble.

12.5. Results of PBT and vPvB assessment

ALCOOL A BRULER (ETHANOL BLEU DENATURE)

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

Component	
Ethanol (64-17-5)	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
Butanone (78-93-3)	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
Isopropyl alcohol (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

Waste treatment methods : Dispose of this material and its container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

Additional information : Flammable vapours may accumulate in the container.

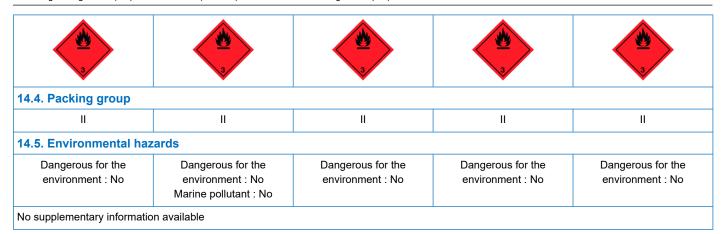
SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID		
14.1. UN number	14.1. UN number					
UN 1170	UN 1170	UN 1170	UN 1170	UN 1170		
14.2. UN proper shippin	14.2. UN proper shipping name					
ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	Ethanol solution	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)		
Transport document descr	Transport document description					
UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II, (D/E)	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II	UN 1170 Ethanol solution, 3, II	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II		
14.3. Transport hazard class(es)						
3	3	3	3	3		

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14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1
Special provisions (ADR) : 144, 601
Limited quantities (ADR) : 11
Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02, R001

Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions : TP1

(ADR)

Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 2
Special provisions for carriage - Operation (ADR) : S2, S20
Hazard identification number (Kemler No.) : 33

Hazard identification number (Kemler No.) : 33
Orange plates :

33 1170

Tunnel restriction code (ADR) : D/E

Transport by sea

Special provisions (IMDG) : 144 Limited quantities (IMDG) : 1L Excepted quantities (IMDG) : E2 Packing instructions (IMDG) : P001 IBC packing instructions (IMDG) : IBC02 Tank instructions (IMDG) T4 Tank special provisions (IMDG) : TP1 EmS-No. (Fire) : F-E EmS-No. (Spillage) : S-D Stowage category (IMDG)

Properties and observations (IMDG) : Colourless, volatile liquids.Pure ETHANOL: flashpoint 13°C c.c. Explosive limits: 3.3% to

19% Miscible with water.

Air transport

PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y341
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 353
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 364
CAO max net quantity (IATA) : 60L

Special provisions (IATA) : A3, A58, A180

ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1

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Special provisions (ADN) : 144, 601
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E2
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01
Number of blue cones/lights (ADN) : 1

Rail transport

Classification code (RID) : F1
Special provisions (RID) : 144, 601
Limited quantities (RID) : 1L
Excepted quantities (RID) : E2

Packing instructions (RID) : P001, IBC02, R001

Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T4
Portable tank and bulk container special provisions : TP1

(RID)

Tank codes for RID tanks (RID) : LGBF
Transport category (RID) : 2
Colis express (express parcels) (RID) : CE7
Hazard identification number (RID) : 33

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

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : > 83

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

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BLV	Biological limit value	
CAS-No.	Chemical Abstract Service number	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
DMEL	Derived Minimal Effect level	

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DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

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

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.