

Safety Data Sheet According to Regulation (EC) No. 2020/878

Ethyl Alcohol from agricultural origin - 0,1% TBA + 10mg/l Bitrex

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

1.1 - Product identifier

Trade name/designation Ethyl Alcohol from agricultural origin - 0,1% TBA + 10mg/l Bitrex

Chemical name

Product-typeMixture

Product codeCOS-13000XXX

UFI:UQ10-V00Q-Q00T-DJTG

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

Relevant identified uses

- Products for chemical or technical processes

- Cosmetics, personal care products

Uses advised against

- Do not use for uses other than those recommended.

1.3 - Details of the supplier of the safety data sheet

id distribution

38, Chemin du Hallot, ECOS

27630, VEXIN SUR EPTE

FRANCE

1.4 - Emergency telephone number

- UK : National Poisons Information Service (Birmingham Centre) City Hospital (UNITED KINGDOM) Dudley road

B18 7 QH Birmingham 0870 600 62 66 (UK only) United Kingdom

UK : National Poisons Information Service (Birmingham Centre) City Hospital (UNITED KINGDOM) Dudley road

B18 7 QH Birmingham 0870 600 62 66 (UK only)

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Eye Irrit. 2

Eye irritation - Category 2

Flam. Liq. 2

Flammable liquid and vapour. - Category 2

2.2 - Label elements


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


Signal word

:

Danger

Hazard pictograms





Hazard statements

H225

Highly flammable liquid and vapour

MATERIAL SAFETY DATA SHEET (MSDS)

Ethyl Alcohol from agricultural origin - 0,1% TBA + 10mg/l Bitrex

H319

Causes serious eye irritation

Precautionary statements

P210

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

P233

Keep container tightly closed.

P240

Ground and bond container and receiving equipment.

P241

Use explosion-proof [electrical, ventilating, lighting] equipment.

P242

Use non-sparking tools.

P243

Take action to prevent static discharges.

P280

Wear eye protection, face protection.

P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313

If eye irritation persists: Get medical advice/attention.

P370+P378

In case of fire: Use Carbon dioxide (CO2), alcohol-resistant foam, extinguishing powder for extinction.

P403+P235

Store in a well-ventilated place. Keep cool.

P501

Dispose of contents, container in an approved treatment center.

EUH-phrases

:

None

2.3 - Other hazards

PBT-substance.

- The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

vPvB-substance.

- The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Other hazards which do not result in classification

- No information available.

SECTION 3: Composition / information on ingredients

- not applicable

3.1 - Substances

Not applicable

- not applicable

3.2 - Mixtures

Chemical name

No

%

Class(es)

Specific concentration limit

ethyl alcohol

CAS No. : 64-17-5
Index No. : 603-002-00-5
EC No. : 200-578-6
REACH No. : 01-2119457610-43-xxxx

> 95

Eye Irrit. 2 - H319
Flam. Liq. 2 - H225

Eye Irrit. 2 - H319 : 50>%<100

2-methylpropan-2-ol, tert-butyl alcohol

CAS No. : 75-65-0
Index No. : 603-005-00-1
EC No. : 200-889-7
REACH No. : 01-2119444321-51-xxxx

0,1

Acute Tox. 4 Inhalation - H332
Eye Irrit. 2 - H319
Flam. Liq. 2 - H225
STOT SE 3 (H335) - H335

Not applicable

SECTION 4: First aid measures

ISSUE: 01/02/2024 Ver #Or

id perfume designer Paris

Page 1

Ethyl Alcohol from agricultural origin - 0,1% TBA + 10mg/l Bitrex	
4.1 - Description of first aid measures	
Following inhalation	<ul style="list-style-type: none">- Provide fresh air.- If unconscious but breathing normally, place in recovery position and seek medical advice.- In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Following skin contact	<ul style="list-style-type: none">- Wash immediately with: Water- When in doubt or if symptoms are observed, get medical advice.
After eye contact	<ul style="list-style-type: none">- Rinse immediately carefully and thoroughly with eye-bath or water.- In case of eye irritation consult an ophthalmologist.
After ingestion	<ul style="list-style-type: none">- Rinse mouth thoroughly with water.- Do NOT induce vomiting.
4.2 - Most important symptoms and effects, both acute and delayed	
Symptoms and effects - Following inhalation	<ul style="list-style-type: none">- No information available.
Symptoms and effects - Following skin contact	<ul style="list-style-type: none">- Irritation or minor reversible injury possible
Symptoms and effects - After eye contact	<ul style="list-style-type: none">- Causes eye irritation.
Symptoms and effects - After ingestion	<ul style="list-style-type: none">- Ingestion causes nausea, weakness and central nervous system effects.
4.3 - Indication of any immediate medical attention and special treatment needed	
<ul style="list-style-type: none">- Treat symptomatically.	
SECTION 5: Firefighting measures	
5.1 - Extinguishing media	
Suitable extinguishing media	<ul style="list-style-type: none">- Carbon dioxide (CO2)- Foam- Extinguishing powder- alcohol resistant foam
Unsuitable extinguishing media	<ul style="list-style-type: none">- Full water jet
5.2 - Special hazards arising from the substance or mixture	
Special hazards arising from the substance or mixture	<ul style="list-style-type: none">- Normally unstable and readily undergo violent decomposition but do not detonate. Also: may react violently with water or may form potentially explosive mixtures with water
Hazardous decomposition products	<ul style="list-style-type: none">- Carbon dioxide (CO2)- Carbon monoxide
5.3 - Advice for firefighters	
<ul style="list-style-type: none">- Wear a self-contained breathing apparatus and chemical protective clothing.- Move undamaged containers from immediate hazard area if it can be done safely.	

Ethyl Alcohol from agricultural origin - 0,1% TBA + 10mg/l Bitrex	
SECTION 6: Accidental release measures	
6.1 - Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	<ul style="list-style-type: none">- Use personal protection equipment.- Provide adequate ventilation.- Remove all sources of ignition.
For emergency responders	<ul style="list-style-type: none">- Wear personal protection equipment (refer to section 8).
6.2 - Environmental precautions	
<ul style="list-style-type: none">- Do not allow to enter into surface water or drains.	
6.3 - Methods and material for containment and cleaning up	
Methods and material for containment	<ul style="list-style-type: none">- Soak up inert absorbent and dispose as waste requiring special attention.
Methods and material for cleaning up	<ul style="list-style-type: none">- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).- Wash with plenty of water.
Inappropriate techniques	<ul style="list-style-type: none">- No information available.
6.4 - Reference to other sections	
<ul style="list-style-type: none">- Disposal: see section 13- Personal protection equipment: see section 8	
SECTION 7: Handling and storage	
7.1 - Precautions for safe handling	
Recommendation	<ul style="list-style-type: none">- Avoid: Eye contact- It is recommended to design all work processes always so that the following is excluded: Eye contact- It is recommended to design all work processes always so that the following is excluded: Generation/formation of dust- It is recommended to design all work processes always so that the following is excluded: generation/formation of aerosols- Vapours can form explosive mixtures with air.- When using do not smoke.- Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.- Use only in well-ventilated areas.
Advices on general occupational hygiene	<ul style="list-style-type: none">- When using do not eat, drink, smoke, sniff.
7.2 - Conditions for safe storage, including any incompatibilities	
<ul style="list-style-type: none">- Storage class Flammable liquids- Keep container tightly closed and in a well-ventilated place.- Do not store together with: Combustible substance- Protect against: Heat	
7.3 - Specific end use(s)	

Ethyl Alcohol from agricultural origin - 0,1% TBA + 10mg/l Bitrex

- Industrial use of food, beverage and pharmaceutical products

- Manufacturing of cleaning and maintenance products

- Manufacture of bulk, large scale chemicals (including petroleum products)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

ethyl alcohol (64-17-5)

TWA EH40 ppm (UK)

1000 ppm

TWA EH40 mg/m³ (UK)

1920 mg/m3

8.2 - Exposure controls


Appropriate engineering controls


- No information available.

Individual protection measures, such as personal protective equipment

- Suitable eye protection: Eye glasses with side protection

- Protective clothing





SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state	Liquid	Appearance	Liquid
Colour	colourless	Odour	alcohol
Odour threshold		No data available	
pH		neutral	
Melting point		-114 °C	
Freezing point		No data available	
Boiling point		78 °C	
Flash point		<= 23 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		3,5 % Vol.	
Upper explosion limit		13,5 % Vol.	
Vapour pressure		57,26 hPa à 20 °C	
Vapour density		No data available	
Relative density		No data available	
Density		0,7967 g/cm3	
Solubility (Water)		100 % completely miscible	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	

Ethyl Alcohol from agricultural origin - 0,1% TBA + 10mg/l Bitrex

Solubility (Organic solvents)

No data available

Log KOC

-0,35
Ethanol

Auto-ignition temperature

425 °C

Decomposition temperature

No data available

Kinematic viscosity

1,506 mm²/s
à 20 °C
Ethanol

Dynamic viscosity

1,2 mPa.s
à 20 °C
Ethanol

Particle characteristics

Particle size

No data available

9.2 - Other information

VOC content

100 %

Minimum ignition energy

No data available

Conductivity

No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

- In use may form flammable/explosive vapour-air mixture.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

- Reacts violently with peroxides.

- Liquid halogenated hydrocarbons

- Light metals

10.4 - Conditions to avoid

- In case of warming: Ignition hazard

- Avoid high temperatures or direct sunlight.

- Take action to prevent static discharges.

10.5 - Incompatible materials

- Acid

- Oxidising agent

- Keep away from heat.

- Peroxides

- Hydrogen

- Phosphorus oxides (e.g. P2O5)




- metallic oxides containing heavy metals

- wastes containing silver from on-site treatment of photographic wastes

Ethyl Alcohol from agricultural origin - 0,1% TBA + 10mg/l Bitrex		
- Perchlorates		
- Organic compound, containing mercury.		
10.6 - Hazardous decomposition products		
- Does not decompose when used for intended uses.		
SECTION 11: Toxicological information		
11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008		
Acute toxicity	- Not classified	
Toxicity : Mixture		
	LD50 oral (rat)	OECD 401
	LD50 dermal (rat)	OECD 402
	LD50 dermal (rabbit)	No data available
	LC50 inhalation (rat)	OECD 403
	LC50 inhalation dusts and mists (rat)	No data available
	LC50 inhalation vapours (rat)	No data available
- Based on available data, the classification criteria are not met.		
Toxicity : Substances		
	ethyl alcohol (64-17-5)	
	LD50 oral (rat)	10470 mg/kg
	LD50 dermal (rabbit)	> 2000 mg/kg
	LC50 inhalation (rat)	124,7 ppmV
	2-methylpropan-2-ol, tert-butyl alcohol (75-65-0)	
	LD50 oral (rat)	2743 mg/kg
	LD50 dermal (rabbit)	> 2000 mg/kg
Skin corrosion/irritation	- Not classified	
Serious eye damage/eye irritation	- Eye irritation - Category 2 - Causes serious eye irritation	
	- Irritating to eyes.	
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	
11.2 - Information on other hazards		

Ethyl Alcohol from agricultural origin - 0,1% TBA + 10mg/l Bitrex		
SECTION 12: Ecological information		
12.1 - Toxicity		
Toxicity : Mixture		
	EC50 48 hr crustacea	12340 mg/l
	LC50 96 hr fish	13500 mg/l < V < 15300 mg/l
	ErC50 algae	275 mg/l
	ErC50 other aquatic plants	No data available
	NOEC chronic fish	No data available
	NOEC chronic crustacea	< 10 mg/l
	NOEC chronic algae	3240 mg/l
	NOEC chronic other aquatic plants	No data available
Toxicity : Substances		
	ethyl alcohol (64-17-5)	
	EC50 48 hr crustacea	12340 mg/l
	LC50 96 hr fish	13500 mg/l < V < 15300 mg/l Pimephales promelas
	ErC50 algae	275 mg/l
	ErC50 other aquatic plants	18000 mg/l
	NOEC chronic fish	> 10 mg/l 21 j (Daphnia magna)
	NOEC chronic algae	3240 mg/l (Skeletonema costatum)
	2-methylpropan-2-ol, tert-butyl alcohol (75-65-0)	
	EC50 48 hr crustacea	933 mg/l
	LC50 96 hr fish	> 961 mg/l
	ErC50 algae	> 976 mg/l
	NOEC chronic fish	180 mg/l
	NOEC chronic crustacea	961 mg/l
	NOEC chronic algae	976 mg/l
- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.		
12.2 - Persistence and degradability		
	Biochemical oxygen demand (BOD)	No data available
	Chemical oxygen demand (COD)	No data available
	% of biodegradation in 28 days	No data available
- Readily biodegradable (according to OECD criteria).		
12.3 - Bioaccumulative potential		
	Bioconcentration factor (BCF)	No data available
	Log KOC	-0,35 Ethanol
- No indication of bioaccumulation potential.		
12.4 - Mobility in soil		

Ethyl Alcohol from agricultural origin - 0,1% TBA + 10mg/l Bitrex	
- The substance will rapidly evaporate into the atmosphere from the water surface.	
12.5 - Results of PBT and vPvB assessment	
- The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.	
- The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.	
12.6 - Endocrine disrupting properties	
- Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).	
12.7 - Other adverse effects	
- No information available.	
SECTION 13: Disposal considerations	
13.1 - Waste treatment methods	
Waste treatment methods	- Dispose of waste according to applicable legislation.
Sewage disposal	- Do not allow to enter into surface water or drains.
Special precautions for waste treatment	- Send to a hazardous waste incinerator facility under observation of official regulations.
Community or national or regional provisions	- Eural code 16 05 08 * chemicals of organic origin based on or containing dangerous substances, discarded
SECTION 14: Transport information	
14.1 - UN number or ID number	
UN number (ADR)	: UN1170
UN number (RID)	: Not applicable
UN number (ADN)	: Not applicable
UN number (IMDG)	: UN1170
UN number (IATA)	: UN1170
14.2 - UN proper shipping name	
UN proper shipping name (ADR)	: ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) (ethyl alcohol)
UN proper shipping name (IMDG)	: ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) (ethyl alcohol)
UN proper shipping name (IATA)	: ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) (ethyl alcohol)
14.3 - Transport hazard class(es)	

Ethyl Alcohol from agricultural origin - 0,1% TBA + 10mg/l Bitrex	
ADR Transport hazard class(es)	: 3
ADR Classification code:	: F1
Pictograms	
Pictograms	
Transport hazard class(es) (IMDG)	: 3
Pictograms	
Transport hazard class(es) (IATA)	: 3
Pictograms	
14.4 - Packing group	
Packing group	: II
Packing group (IMDG)	: II
Packing group (IATA)	: II
14.5 - Environmental hazards	
Environmental hazards	: No
Marine pollutant	: No
14.6 - Special precautions for user	

Ethyl Alcohol from agricultural origin - 0,1% TBA + 10mg/l Bitrex

ADR		
ADR Classification code:	:	F1
ADR Special provisions	:	144+601
ADR Limited quantity (LQ)	:	1 L
ADR Excepted quantities	:	E2
ADR Packing instructions	:	P001 IBC02 R001
ADR Special packing provisions	:	
ADR Mixed packing provisions	:	MP19
Instructions for portable tanks and bulk containers	:	T4
Special provisions for portable tanks and bulk containers	:	TP1
ADR tank code	:	LGBF
ADR tanks special provisions	:	
Vehicle for tank carriage	:	FL
ADR Transport category	:	2
ADR Tunnel restriction code	:	D/E
ADR Special provisions loading, unloading and handling	:	
Special provisions - Packages	:	
Special provisions - Bulk	:	
Special provisions - Operation	:	S2, S20
ADR Hazard identification number (Kemler No.)	:	33
IMDG		
Special provisions	:	144
Limited quantity (LQ)	:	1L
Excepted quantities	:	E2
Packing instructions	:	P001
Special packing provisions	:	
IBC instruction(s)	:	IBC02
IBC provisions	:	
Instructions for portable tanks and bulk containers	:	TP1
Special provisions for portable tanks and bulk containers	:	
EmS codes	:	F-E
Stowage and handling	:	
Segregation	:	
Properties and observations	:	
IATA		
PCA - Excepted quantities	:	E2
PCA - Limited Quantity - Packing Instructions	:	Y341
PCA - Limited Quantity - Maximum Net Quantity per Package	:	1L
PCA - Packing Instructions	:	
PCA - Maximum Net Quantity per Package	:	5L
CAO - Packing Instructions	:	353
CAO - Maximum Net Quantity per Package	:	5L
Special Provisions	:	A3, A58, A180
ERG Code	:	3L
14.7 - Maritime transport in bulk according to IMO instruments		

Ethyl Alcohol from agricultural origin - 0,1% TBA + 10mg/l Bitrex

H335	May cause respiratory irritation
------	----------------------------------

Ethyl Alcohol from agricultural origin - 0,1% TBA + 10mg/l Bitrex

SECTION 15: Regulatory information

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

Substances REACH candidates	None
Substances Annex XIV	None
Substances Annex XVII	None
VOC content	100 %

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - Ethanol

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
3	01/03/2021		
2	18/11/2019		

Abbreviations and acronyms

- Aquatic Chronic 3: Dangers pour le milieu aquatique- toxicité à long terme pour le milieu aquatique – Catégorie 3
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Eye Irrit. 2: Lésions oculaires graves/irritation oculaire – Catégorie 2
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- IATA: International Air Transport Association
- IMDG: International Maritime Code for Dangerous Goods
- Skin Irrit. 2: Corrosion cutanée/irritation cutanée – Catégorie 2
- Skin Sens. 1: Sensibilisation cutanée – Catégorie 1
- Skin Sens. 1B: Sensibilisation cutanée – Catégorie 1B
- SVHC substance.
- Land transport (ADR/RID)
- DNEL-/PNEC-values

Data sources:

Supplier
[Http://echa.europa.eu/](http://echa.europa.eu/)

Texts of the regulatory sentences

Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
Eye Irrit. 2	Eye irritation - Category 2
Eye Irrit. 2A	Eye irritation - Category 2A
Flam. Liq. 2	Flammable liquid and vapour. - Category 2
H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation
H332	Harmful if inhaled

STOT SE 3 (H335)	STOT-single exposure - Category 3 (H335)
Training advice	<div>- Reserved for industrial and professional use. - Observe technical data sheet.</div>
<div>In conformity with Regulation (EC) No 2020/878 The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.</div>	
*** **	

(C) This document may not in any case be modified, transmitted (even partially) without the authorization of its author.