

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

1.1. Product identifier

| | |
|----------------|---------------------------|
| Product form | : Substance |
| Substance name | : Ethanol Denature A Type |
| EC Index-No. | : 603-002-00-5 |
| EC Number | : 200-578-6 |
| CAS Number | : 64-17-5 |
| Formula | : C2H6O |

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

Relevant identified uses

| | |
|------------------------------|--|
| Main use category | : Industrial use |
| Use of the substance/mixture | : Cleaning/washing agents and additives organic solvent |

1.3. Details of the supplier of the safety data sheet

Supplier

Aktaş Dış Ticaret A.Ş.
Kısıklı Mahalesi Incir Sokak No: 6/2 6/2
34692 İstanbul
Türkiye
T 0216 524 12 12, F 0216 524 12 13
info@aktasdis.com, www.aktasdis.com

1.4. Emergency telephone number

| | |
|------------------|------------------|
| Emergency number | : 0216 524 12 12 |
|------------------|------------------|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 2 H225
Full text of H- and EUH-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

Hazard statements (CLP)

: H225 - Highly flammable liquid and vapour.

Precautionary statements (CLP)

: 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.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Ethanol Denature A Type

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water .

Extra phrases : For professional users only.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : Mono-constituent
Name : Ethanol Denature A Type
CAS Number : 64-17-5
EC Number : 200-578-6
EC Index-No. : 603-002-00-5

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|----------------|--|----------------|---|
| Ethanol 99.9% | CAS Number: 64-17-5 EC Number: 200-578-6 EC Index-No.: 603-002-00-5 | 97 – 98 | Flam. Liq. 2, H225 |
| Ethyl Acetate | CAS Number: 141-78-6 EC Number: 205-500-4 EC Index-No.: 607-022-00-5 | $\geq 1 - < 3$ | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |
| PROPYL ALCOHOL | CAS Number: 71-23-8 EC Number: 200-746-9 | 0.1 | Flam. Liq. 2, H225 STOT SE 3, H336 Eye Dam. 1 H318 |

Full text of H- and EUH-statements: 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.
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 inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact : None under normal conditions.
Symptoms/effects after eye contact : None under normal conditions.
Symptoms/effects after ingestion : None under normal conditions.

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

Treat symptomatically.

Ethanol Denature A Type

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapour.
Explosion hazard : No direct explosion hazard.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

- Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
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 : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.
Absorb spillage to prevent material damage.

For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

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".
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
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

- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
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.

Ethanol Denature A Type

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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. |
| Packaging materials | : Store always product in container of same material as original container. |

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Ethyl Acetate (141-78-6)

EU - Indicative Occupational Exposure Limit (IOEL)

| | |
|----------------------|------------------------------------|
| Local name | Ethyl acetate |
| IOEL TWA | 734 mg/m ³ |
| | 200 ppm |
| IOEL STEL | 1468 mg/m ³ |
| | 400 ppm |
| Regulatory reference | COMMISSION DIRECTIVE (EU) 2017/164 |

DNEL and PNEC

Ethanol Denature A Type (64-17-5)

DNEL/DMEL (Workers)

| | |
|--|--------------------------|
| Acute - local effects, inhalation | 1900 mg/m ³ |
| Long-term - systemic effects, dermal | 343 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 950 mg/m ³ |

DNEL/DMEL (General population)

| | |
|--|--------------------------|
| Acute - local effects, inhalation | 950 mg/m ³ |
| Long-term - systemic effects, oral | 87 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 114 mg/m ³ |
| Long-term - systemic effects, dermal | 206 mg/kg bodyweight/day |

PNEC (Water)

| | |
|--------------------------------------|-----------|
| PNEC aqua (freshwater) | 0.96 mg/l |
| PNEC aqua (marine water) | 0.79 mg/l |
| PNEC aqua (intermittent, freshwater) | 2.75 mg/l |

PNEC (Sediment)

| | |
|------------------------------|---------------|
| PNEC sediment (freshwater) | 3.6 mg/kg dwt |
| PNEC sediment (marine water) | 2.9 mg/kg dwt |

PNEC (Soil)

| | |
|-----------|----------------|
| PNEC soil | 0.63 mg/kg dwt |
|-----------|----------------|

PNEC (Oral)

| | |
|---------------------------------|----------------|
| PNEC oral (secondary poisoning) | 0.72 g/kg food |
|---------------------------------|----------------|

Ethanol Denature A Type

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Ethanol Denature A Type (64-17-5)

PNEC (STP)

| | |
|-----------------------------|----------|
| PNEC sewage treatment plant | 580 mg/l |
|-----------------------------|----------|

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses

Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

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 | : According to product specification. |
| Molecular mass | : 46.0684 g/mol Source: HSDB |
| Odour | : characteristic. |
| Odour threshold | : Not available |
| Melting point | : Not applicable |
| Freezing point | : Not available |
| Boiling point | : 78.5 °C Source: HSDB |
| Flammability | : Highly flammable liquid and vapour. |
| Lower explosion limit | : Not available |
| Upper explosion limit | : 3.1 – 27.7 % Source: ICSC |
| Flash point | : 13 °C Source: HSDB |
| Auto-ignition temperature | : 400 °C Source: ICSC |
| Decomposition temperature | : Not available |
| pH | : 7 Source: chemicalbook |
| Viscosity, kinematic | : Not available |
| Viscosity, dynamic | : 1.074 cP Source: ICSC |
| Solubility | : Water: 789000 mg/l at 20 °C Source: ECHA Registered substances |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |

Ethanol Denature A Type

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| | |
|---|---------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | : -0.32 Source: ICSC |
| Vapour pressure | : 5.8 kPa at 20 °C Source: ICSC |
| Vapour pressure at 50°C | : Not available |
| Density | : Not available |
| Relative density | : 0.79 Source: ICSC |
| Relative vapour density at 20°C | : 1.6 Source: ICSC |
| Particle characteristics | : Not applicable |

9.2. Other information

No additional information available

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

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.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

Ethanol Denature A Type (64-17-5)

| | |
|---------------------------------|-------------------------------------|
| LD50 oral rat | 7060 mg/kg Source: ECHA |
| LD50 oral | 8300 mg/kg bodyweight Animal: mouse |
| LC50 Inhalation - Rat (Vapours) | 116.9 mg/l Source: ECHA |

Denaturated Ethanol 99.9% (64-17-5)

| | |
|---------------------------------|-------------------------------------|
| LD50 oral rat | 7060 mg/kg Source: ECHA |
| LD50 oral | 8300 mg/kg bodyweight Animal: mouse |
| LC50 Inhalation - Rat (Vapours) | 116.9 mg/l Source: ECHA |

Ethyl Acetate (141-78-6)

| | |
|---------------------------|--|
| LD50 oral rat | 11.3 ml/kg Source: ECHA |
| Skin corrosion/irritation | : Not classified pH: 7 Source: chemicalbook |

Ethanol Denature A Type

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Denaturated Ethanol 99.9% (64-17-5)

| | |
|-------------------------------|--|
| pH | 7 Source: chemicalbook |
| Serious eye damage/irritation | : Not classified pH: 7 Source: chemicalbook |

Denaturated Ethanol 99.9% (64-17-5)

| | |
|-----------------------------------|------------------------|
| pH | 7 Source: chemicalbook |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |

Ethanol Denature A Type (64-17-5)

| | |
|------------|----------------------------|
| IARC group | 1 - Carcinogenic to humans |
|------------|----------------------------|

Denaturated Ethanol 99.9% (64-17-5)

| | |
|-----------------------|----------------------------|
| IARC group | 1 - Carcinogenic to humans |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |

Ethyl Acetate (141-78-6)

| | |
|------------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |
| STOT-repeated exposure | : Not classified |

Ethanol Denature A Type (64-17-5)

| | |
|--|--|
| NOAEL (subchronic, oral, animal/male, 90 days) | < 9700 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) |
| NOAEL (subchronic, oral, animal/female, 90 days) | > 9400 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) |

Denaturated Ethanol 99.9% (64-17-5)

| | |
|--|--|
| NOAEL (subchronic, oral, animal/male, 90 days) | < 9700 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) |
| NOAEL (subchronic, oral, animal/female, 90 days) | > 9400 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) |

| | |
|-------------------|------------------|
| Aspiration hazard | : Not classified |
|-------------------|------------------|

11.2. Information on other hazards

No additional information available

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) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

Ethanol Denature A Type (64-17-5)

| | |
|-----------------|--|
| LC50 - Fish [1] | > 100 mg/l Source: SIDS 2005 |
| ErC50 algae | 275 mg/l Source: ECHA |
| NOEC (chronic) | 9.6 mg/l Test organisms (species): Daphnia magna Duration: '9 d' |

Ethanol Denature A Type

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Denaturated Ethanol 99.9% (64-17-5)

| | |
|-----------------|--|
| LC50 - Fish [1] | > 100 mg/l Source: SIDS 2005 |
| ErC50 algae | 275 mg/l Source: ECHA |
| NOEC (chronic) | 9.6 mg/l Test organisms (species): Daphnia magna Duration: '9 d' |

Ethyl Acetate (141-78-6)

| | |
|-----------------|-----------------------|
| LC50 - Fish [1] | 230 mg/l Source: ECHA |
|-----------------|-----------------------|

12.2. Persistence and degradability

Ethanol Denature A Type (64-17-5)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

Denaturated Ethanol 99.9% (64-17-5)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

PROPYL ALCOHOL (71-23-8)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

Ethyl Acetate (141-78-6)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

12.3. Bioaccumulative potential

Ethanol Denature A Type (64-17-5)

| | |
|---|--------------------|
| Partition coefficient n-octanol/water (Log Pow) | -0.32 Source: ICSC |
|---|--------------------|

Denaturated Ethanol 99.9% (64-17-5)

| | |
|---|--------------------|
| Partition coefficient n-octanol/water (Log Pow) | -0.32 Source: ICSC |
|---|--------------------|

Ethyl Acetate (141-78-6)

| | |
|---|-------------------|
| Partition coefficient n-octanol/water (Log Pow) | 0.73 Source: ICSC |
|---|-------------------|

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|---|
| Regional waste regulation | : Disposal must be done according to official regulations. |
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations | : Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations. |
| Additional information | : Flammable vapours may accumulate in the container. Do not re-use empty containers. |

Ethanol Denature A Type






Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| | |
|---------|--|
| HP Code | : HP3 - "Flammable:" – flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C; – flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air; – flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction; – flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa; – water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities; – other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste. |
|---------|--|

SECTION 14: Transport information

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

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| 14.1. UN number or ID number | | | | |
| UN 1170 | UN 1170 | UN 1170 | UN 1170 | UN 1170 |
| 14.2. UN proper shipping name | | | | |
| ETHANOL (ETHYL ALCOHOL) | ETHANOL (ETHYL ALCOHOL) | Ethanol | ETHANOL (ETHYL ALCOHOL) | ETHANOL (ETHYL ALCOHOL) |
| Transport document description | | | | |
| UN 1170 ETHANOL (ETHYL ALCOHOL), 3, II, (D/E) | UN 1170 ETHANOL (ETHYL ALCOHOL), 3, II | UN 1170 Ethanol, 3, II | UN 1170 ETHANOL (ETHYL ALCOHOL), 3, II | UN 1170 ETHANOL (ETHYL ALCOHOL), 3, II |
| 14.3. Transport hazard class(es) | | | | |
| 3 | 3 | 3 | 3 | 3 |
|  |  |  |  |  |
| 14.4. Packing group | | | | |
| II | II | II | II | II |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment: No | Dangerous for the environment: No Marine pollutant: No EmS-No. (Fire): F-E EmS-No. (Spillage): S-D | 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) | : 144, 601 |
| Limited quantities (ADR) | : 1I |
| Excepted quantities (ADR) | : E2 |
| Packing instructions (ADR) | : P001, IBC02, R001 |
| Mixed packing provisions (ADR) | : MP19 |
| Portable tank and bulk container instructions (ADR) | : T4 |

Ethanol Denature A Type

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Portable tank and bulk container special provisions (ADR) : TP1

Tank code (ADR) : LGBF

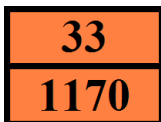
Vehicle for tank carriage : FL

Transport category (ADR) : 2

Special provisions for carriage - Operation (ADR) : S2, S20

Hazard identification number (Kemler No.) : 33

Orange plates :



Tunnel restriction code (ADR) : D/E

Transport by sea

Special provisions (IMDG) : 144

Limited quantities (IMDG) : 1 L

Excepted quantities (IMDG) : E2

Packing instructions (IMDG) : P001

IBC packing instructions (IMDG) : IBC02

Tank instructions (IMDG) : T4

Tank special provisions (IMDG) : TP1

Stowage category (IMDG) : A

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

Special provisions (ADN) : 144, 601

Limited quantities (ADN) : 1 L

Excepted quantities (ADN) : E2

Carriage permitted (ADN) : T

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 (RID) : TP1

Tank codes for RID tanks (RID) : LGBF

Transport category (RID) : 2

Colis express (express parcels) (RID) : CE7

Hazard identification number (RID) : 33

Ethanol Denature A Type

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)

| Reference code | Applicable on |
|----------------|---|
| 3(a) | Ethanol Denature A Type ; Denaturated Ethanol 99.9% ; Ethyl Acetate |
| 3(b) | Ethyl Acetate |
| 40. | Ethanol Denature A Type ; Denaturated Ethanol 99.9% ; Ethyl Acetate |

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

National regulations

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV; ID No. 96).

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 |

Ethanol Denature A Type

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: | |
|-----------------------------|--|
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC Number | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| 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 |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS Number | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disruptor |

| 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. |

Ethanol Denature A Type

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:

| | |
|------|------------------------------------|
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

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.