# n-Pentane AGR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 27/11/2014 Revision date: 15/06/2026 Supersedes version of: 13/10/2022 Version: 1.4

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

### 1.1. Product identifier

| | | |
|---|---|---|
| Product form | : | Substance |
| Trade name | : | n-Pentane AGR |
| Chemical name | : | pentane |
| IUPAC name | : | pentane |
| EC Index-No. | : | 601-006-00-1 |
| EC-No. | : | 203-692-4 |
| CAS-No. | : | 109-66-0 |
| REACH registration No. | : | 01-2119459286-30 |
| Product code | : | PENT-00A |
| Formula | : | CH3(CH2)3CH3 |

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

#### Relevant identified uses

| | | |
|---|---|---|
| Main use category | : | Laboratory use |

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

Labbox Labware S.L.
Migjorn, 1
08338 Premia de Dalt, Barcelona
España
T +34 937 07 79 70, F +34 937 909 532
info@labbox.com, www.labbox.com

### 1.4. Emergency telephone number

| | | |
|---|---|---|
| Emergency number | : | +34 937 077 970 (For technical information_Office Hours) In case of medical emergency phone 112 or to your local emergency number. 24 hours a day, 7 days a week |

| Country/Area | Organisation | Emergency number |
|---|---|---|
| United Kingdom | National Poisons Information Service (Belfast Centre).<br>Royal Victoria Hospital.<br>Grosvenor Road BT12 6BA Belfast. | 0344 892 0111<br>Only for healthcare professionals |

## 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 |
| Aspiration hazard, Category 1 | H304 |
| Specific target organ toxicity – Single exposure, Category 3, Narcosis | H336 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 2 | H411 |

Full text of H- and EUH-statements: 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 GHS08 GHS07 GHS09

Signal word (CLP) : Danger

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H336 - May cause drowsiness or dizziness.
H411 - Toxic to aquatic life with long lasting effects.

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.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 - Use only outdoors or in a well-ventilated area.

EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

Other hazards which do not result in classification : Does not contain PBT and/or vPvB substances ≥ 0.1% evaluated according to Annex XIII of REACH.

PBT: not relevant – no registration required

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance type : Mono-constituent

| Name | Product identifier | % |
|---|---|---|
| Pentane | CAS-No.: 109-66-0<br>EC-No.: 203-692-4<br>EC Index-No.: 601-006-00-1<br>REACH-no: 01-2119459286-30 | 100 |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.

First-aid measures after skin contact : Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.

First-aid measures after ingestion : Rinse mouth. Drink plenty of water. Do not induce vomiting. Get medical advice/attention if you feel unwell.

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

Symptoms/effects after inhalation : Soar throat. May cause headache, nausea and irritation of respiratory tract.

Symptoms/effects after skin contact : Cracking of the skin. Itching.

Symptoms/effects after eye contact : mild eye irritation. Redness.
Symptoms/effects after ingestion : Abdominal pain.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : ABC-powder.
Unsuitable extinguishing media : Water.

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

Fire hazard : Highly flammable liquid and vapour.
Explosion hazard : May form flammable/explosive vapour-air mixture.
Hazardous decomposition products in case of fire : Carbon oxides (CO, CO2).

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

General measures : Eliminate every possible source of ignition.

#### For non-emergency personnel

Protective equipment : ISO 374-1. EN 14605. EN 13034. EN 136. EN 137.
Emergency procedures : Evacuate unnecessary personnel. Do not breathe vapours. Do not breathe gas. Keep upwind. No flames, no sparks. Eliminate all sources of ignition.

#### For emergency responders

Protective equipment : Breathing apparatus.
Emergency procedures : Stop leak if safe to do so.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

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

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up : Take up liquid spill into absorbent material. Collect spillage.

### 6.4. Reference to other sections

See Section 8. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : In use, may form flammable vapour-air mixture.
Precautions for safe handling : Take precautionary measures against static discharge.
Hygiene measures : 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

| | | |
|---|---|---|
| Storage conditions | : | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a well-ventilated place. Keep container tightly closed. |
| Incompatible materials for storage | : | Sources of ignition. |
| Storage temperature | : | < 50 °C |
| Special rules on packaging | : | Store in a closed container. Keep only in original container. |

### 7.3. Specific end use(s)

Laboratory chemicals.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**National occupational exposure and biological limit values**

| n-Pentane AGR (109-66-0) | |
|---|---|
| **EU - Indicative Occupational Exposure Limit (IOEL)** | |
| Local name | Pentane |
| IOEL TWA | 3000 mg/m³ |
| | 1000 ppm |
| **France - Occupational Exposure Limits** | |
| Local name | n-Pentane |
| VLEP 8h (OEL TWA) | 3000 mg/m³ |
| | 1000 ppm |
| Remark | Valeurs règlementaires contraignantes |
| **Germany - Occupational Exposure Limits (TRGS 900)** | |
| Local name | Pentan |
| AGW (OEL TWA) | 3000 mg/m³ |
| | 1000 ppm |
| Remark | DFG,EU,Y |
| **Italy - Occupational Exposure Limits** | |
| Local name | Pentano |
| OEL TWA | 2000 mg/m³ |
| | 667 ppm |
| **Portugal - Occupational Exposure Limits** | |
| Local name | Pentano , todos os isómeros |
| OEL TWA | 1000 ppm |
| **Spain - Occupational Exposure Limits** | |
| Local name | n-Pentano |
| VLA-ED (OEL TWA) | 3000 mg/m³ |
| | 1000 ppm |

| n-Pentane AGR (109-66-0) | |
|---|---|
| Remark | VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país). |
| **United Kingdom - Occupational Exposure Limits** | |
| Local name | Pentane |
| WEL TWA (OEL TWA) | 1800 mg/m³ |
| | 600 ppm |
| WEL STEL (OEL STEL)* | 5400 mg/m³ |
| | 1800 ppm |

*STEL value is calculated based on the TWA limit

**DNEL and PNEC**

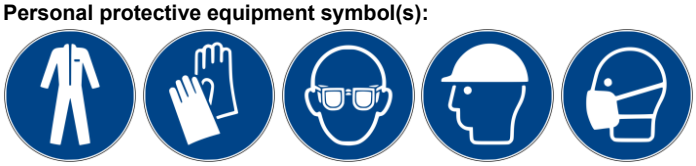
| n-Pentane AGR (109-66-0) | |
|---|---|
| **DNEL/DMEL (Workers)** | |
| Long-term - systemic effects, dermal | 432 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 3000 mg/m³ |
| **DNEL/DMEL (General population)** | |
| Long-term - systemic effects,oral | 214 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 643 mg/m³ |
| Long-term - systemic effects, dermal | 214 mg/kg bodyweight/day |
| **PNEC (Water)** | |
| PNEC aqua (freshwater) | 230 µg/l |
| PNEC aqua (marine water) | 230 µg/l |
| PNEC aqua (intermittent, freshwater) | 880 µg/l |
| **PNEC (Sediment)** | |
| PNEC sediment (freshwater) | 1,2 mg/kg dwt |
| PNEC sediment (marine water) | 1,2 mg/kg dwt |
| **PNEC (Soil)** | |
| PNEC soil | 0,55 mg/kg dwt |
| **PNEC (STP)** | |
| PNEC sewage treatment plant | 3600 µg/l |

## 8.2. Exposure controls

**Personal protection equipment**

**Personal protective equipment:**
ISO 374-1.

**Personal protective equipment symbol(s):**



### Eye and face protection

**Eye protection:**
Protective goggles (EN 166)

### Skin protection

**Skin and body protection:**
Protective clothing (EN 14605 or EN 13034). Head/neck protection

**Hand protection:**
Protective gloves against chemicals (EN 374)

**Other skin protection**
**Materials for protective clothing:**
Wear protective clothing

### Respiratory protection

**Respiratory protection:**
Wear a mask

| Respiratory protection | | | |
|---|---|---|---|
| **Device** | **Filter type** | **Condition** | **Standard** |
| | Filter AX (brown) | | |

## SECTION 9: Physical and chemical properties

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

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Colour | : | Colourless. |
| Appearance | : | Liquid. |
| Molecular mass | : | 72,15 g/mol |
| Odour | : | Not available |
| Odour threshold | : | Not available |
| Melting point | : | -129,67 °C Atm. press.: 1013 hPa |
| Freezing point | : | Not available |
| Boiling point | : | 36,06 °C Atm. press.: 760 mm Hg |
| Flammability | : | Not available |
| Explosive properties | : | Product is not explosive. |
| Lower explosion limit | : | 1,4 Vol-% |
| Upper explosion limit | : | 8 Vol-% |
| Flash point | : | -40 °C |
| Auto-ignition temperature | : | 285 °C |
| Decomposition temperature | : | Not available |
| pH | : | Not available |
| Viscosity, kinematic | : | 0,2 – 0,52 mm²/s 20 °C |
| Viscosity, dynamic | : | 0,224 mPa·s Temp.: 'other:25.0°C' Parameter: 'dynamic viscosity (in mPa s)' |
| Solubility | : | insoluble in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in chloroform. Soluble in heptane. Soluble in oils/fats.<br>Water: < 0,01 g/100ml 20 °C<br>Ethanol: 100 %<br>Acetone: 100 % |
| Partition coefficient n-octanol/water (Log Kow) | : | Not available |
| Partition coefficient n-octanol/water (Log Pow) | : | 3,5 25° C |
| Vapour pressure | : | 8,563 hPa Temp.: 70 °F |
| Vapour pressure at 50°C | : | 1584 hPa |
| Critical pressure | : | 33700 hPa |
| Saturation concentration | : | 1595 g/m³ |
| Density | : | 0,63 g/cm³ Type: 'density' Temp.: 20 °C |
| Relative density | : | Not available |
| Relative vapour density at 20°C | : | 2,5 |

Relative density of saturated gas/air mixture : 1,8
Particle characteristics : Not applicable

### 9.2. Other information

#### Information with regard to physical hazard classes

Explosion limits : 1,4 – 8 Vol-%
41 – 240 g/m³
Critical temperature : 197 °C

#### Other safety characteristics

Minimum ignition energy : 0,22 mJ
Relative evaporation rate (ether=1) : 6,7
VOC content : 100 %
Surface tension : 15,49 mN/m (25 °C, 100 %)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## 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

| n-Pentane AGR (109-66-0) | |
|---|---|
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral)) |
| LD50 dermal rabbit | 3000 mg/kg |
| LC50 Inhalation - Rat | > 25,3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) |

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified

| n-Pentane AGR (109-66-0) | |
|---|---|
| NOAEL (animal/male, F0/P) | 300 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 415 (One-Generation Reproduction Toxicity Study) |
| NOAEL (animal/female, F0/P) | ≥ 1000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 415 (One-Generation Reproduction Toxicity Study) |

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

| n-Pentane AGR (109-66-0) | |
|---|---|
| NOAEC (inhalation, rat, vapour, 90 days) | 30 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study), Guideline: other:U.S. EPA/FIFRA Guidelines §82-4, Guideline: EPA OTS 798.2450 (90-Day Inhalation Toxicity), Guideline: other:U.S. EPA/TSCA Guidelines 40 CFR §798.6059, and §798.6059, 798.6200, 798.6400, Guideline: other:EU Guideline 87/302/EEC |

Aspiration hazard : May be fatal if swallowed and enters airways.

| n-Pentane AGR (109-66-0) | |
|---|---|
| Viscosity, kinematic | 0,2 – 0,52 mm²/s 20 °C |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water : Toxic to aquatic life.

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Toxic to aquatic life with long lasting effects.

| n-Pentane AGR (109-66-0) | |
|---|---|
| LC50 - Fish [1] | 4,26 mg/l |
| EC50 - Crustacea [1] | 9,74 mg/l |
| ErC50 algae | 10,7 mg/l |

### 12.2. Persistence and degradability

| n-Pentane AGR (109-66-0) | |
|---|---|
| Persistence and degradability | Readily biodegradable. |

### 12.3. Bioaccumulative potential

| n-Pentane AGR (109-66-0) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 3,5 25º C |
| Bioaccumulative potential | Low. |

### 12.4. Mobility in soil

| n-Pentane AGR (109-66-0) | |
|---|---|
| Surface tension | 15,49 mN/m (25 °C, 100 %) |

### 12.5. Results of PBT and vPvB assessment

| n-Pentane AGR (109-66-0) |
|---|
| PBT: not relevant – no registration required |

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### 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 : Must follow special treatment according to local regulation.

## SECTION 14: Transport information

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

### 14.1. UN number or ID number

UN-No. (ADR) : UN 1265
UN-No. (IMDG) : UN 1265
UN-No. (IATA) : UN 1265
UN-No. (ADN) : UN 1265
UN-No. (RID) : UN 1265

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : PENTANES
Proper Shipping Name (IMDG) : PENTANES
Proper Shipping Name (IATA) : Pentanes
Proper Shipping Name (ADN) : PENTANES
Proper Shipping Name (RID) : PENTANES
Transport document description (ADR) (ADR) : UN 1265 PENTANES, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG) : UN 1265 PENTANES, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA) : UN 1265 Pentanes, 3, II, ENVIRONMENTALLY HAZARDOUS
Transport document description (ADN) : UN 1265 PENTANES, 3, II, ENVIRONMENTALLY HAZARDOUS
Transport document description (RID) : UN 1265 PENTANES, 3, II, ENVIRONMENTALLY HAZARDOUS

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 3
Danger labels (ADR) : 3
:




#### IMDG

Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3

:



### IATA

Transport hazard class(es) (IATA) : 3
Danger labels (IATA) : 3
:



### ADN

Transport hazard class(es) (ADN) : 3
Danger labels (ADN) : 3
:



### RID

Transport hazard class(es) (RID) : 3
Danger labels (RID) : 3
:



## 14.4. Packing group

Packing group (ADR) : II
Packing group (IMDG) : II
Packing group (IATA) : II
Packing group (ADN) : II
Packing group (RID) : II

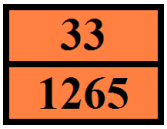
## 14.5. Environmental hazards

Dangerous for the environment : Yes
Marine pollutant : Yes
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-D
Other information : No supplementary information available

## 14.6. Special precautions for user

### Overland transport

Classification code (ADR) : F1
Limited quantities (ADR) : 1l
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P001, IBC02
Special packing provisions (ADR) : B8
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions (ADR) : TP1
Tank code (ADR) : L1.5BN
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 |
| EAC code | : | 3YE |

### Transport by sea

| | | |
|---|---|---|
| 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) | : | E |
| Properties and observations (IMDG) | : | Colourless liquids with a paraffin-like odour. Explosive limits: 1.4% to 8%. normal-PENTANE: boiling point 36°C. Immiscible with water. Slightly irritating to skin, eyes and mucous membranes. Narcotic in high concentrations. |

### 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 |
| ERG code (IATA) | : | 3H |

### Inland waterway transport

| | | |
|---|---|---|
| Classification code (ADN) | : | F1 |
| 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 |
| Limited quantities (RID) | : | 1L |
| Excepted quantities (RID) | : | E2 |
| Packing instructions (RID) | : | P001, IBC02 |
| Special packing provisions (RID) | : | B8 |
| 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) | : | L1.5BN |
| Transport category (RID) | : | 2 |
| Colis express (express parcels) (RID) | : | CE7 |
| Hazard identification number (RID) | : | 33 |

## 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. | n-Pentane AGR |
| 3(a) | n-Pentane AGR |
| 3(b) | n-Pentane AGR |
| 3(c) | n-Pentane AGR |
| 40. | n-Pentane AGR |

#### REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

#### REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

#### PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

#### POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

#### 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

Not listed on the COUNCIL REGULATION (EC) of dual-use items.

#### VOC Directive (2004/42)

VOC content : 100 %

#### Explosives Precursors Regulation (EU 2019/1148)

Not listed on the Explosives Precursors list (EU)

#### Drug Precursors Regulation (EC 273/2004)

Not listed on the Drug Precursors list (EU)

#### National regulations

#### Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with it.
If an employee is pregnant or breastfeeding and the person in question uses or is exposed to this product at work, the employer must always carry out a risk assessment of the work. The assessment must both deal with the dangerousness of the impact and its strength and duration. The employer's decision that a pregnant or lactating woman can perform a specific work task must therefore be made in the context of her specific working conditions. See also WEA-Guideline A.1.8-7 on the working environment of pregnant and breastfeeding workers.
Listed or contains substance(s) on the Denmark - Indicative list of organic solvents present in Annex 3.4.1 of the WEA Guidance C.0.1-1: Pentane, all isomers (109-66-0)

### France

| Occupational diseases | |
|---|---|
| Code | Description |
| RG 84 | Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide |

### Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV; ID No. 452).
VOC content : 100 %

### Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed
SZW-lijst van mutagene stoffen : The substance is not listed
SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : The substance is not listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

### Poland

Polish National Regulations : Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended; consolidated text J. o L. 2019, item 1225).
Act of 14 December 2012 on waste (J. o L. 2013, item 322 as amended; consolidated text J. o L. 2020, item 797).
The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended).
Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. o L. 2014, item 1923).
Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2020, item 154).
Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. item 1286 as amended).
The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488)
Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166 as amended).
Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141).
ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023, item 891)
Regulation of the Minister of Health of 25 August 2015 on the method of marking places, pipelines, and containers and tanks used for storing or containing hazardous substances or hazardous mixtures (J.o.L. 2015, item 1368 as amended)

## 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

| Full text of H- and EUH-statements: | |
|---|---|
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| 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. |
| H304 | May be fatal if swallowed and enters airways. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

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.