

Printing date 09.08.2021 Version number 307 (replaces version 306) Revision: 09.08.2021

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

· 1.1 Product identifier 600016

· Trade name: Nitrothinner E-COLL

#### · Article number:

4317784524872, 4317784349277, 4317784349284, 4317784349291, 4317784439260, 4317784243650, 4330816995891, 4317784527507, 4330816995884

- · UFI: 12TT-M961-MA0H-GT2K
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Sector of Use

SU21 Consumer uses: Private households / general public / consumersSU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

### · Application of the substance / the mixture

Cleaning thinner Solvents

· 1.3 Details of the supplier of the safety data sheet

## · Manufacturer/Supplier:

E/D/E - Einkaufsbuero Deutscher Eisenhaendler GmbH EDE Platz 1 D-42389 Wuppertal Germany

Tel. +49 202 6096-0 e-mail: sdb@ede.de

- · Further information obtainable from: Product safety department
- 1.4 Emergency telephone number: Giftinformationszentrum Mainz Tel.: +49 (6131) 19240

#### **SECTION 2: Hazards identification**

### · 2.1 Classification of the substance or mixture

### · Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

STOT SE 3 H336 May cause drowsiness or dizziness.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways. Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

#### · 2.2 Label elements

### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.



Printing date 09.08.2021 Version number 307 (replaces version 306) Revision: 09.08.2021

Trade name: Nitrothinner E-COLL

(Contd. of page 1)

### · Hazard pictograms







GHS02 GHS07 GHS08

#### · Signal word Danger

#### · Hazard-determining components of labelling:

Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich acetone ethyl acetate

#### · Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

#### · Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keen out of reach of children

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P240 Ground and bond container and receiving equipment.

P243 Take action to prevent static discharges. P260 Do not breathe mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor if you feel unwell.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P337+P313 If eye irritation persists: Get medical advice/attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

### · Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

(Contd. on page 3)



Printing date 09.08.2021 Version number 307 (replaces version 306) Revision: 09.08.2021

**Trade name: Nitrothinner E-COLL** 

(Contd. of page 2)

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- PBT: Not applicable.vPvB: Not applicable.

## **SECTION 3: Composition/information on ingredients**

#### · 3.2 Mixtures

• **Description:** Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49-xxxx 01-2119498062-37-xxxx	acetone Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	25-50%
CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5 Reg.nr.: 01-2119475103-46-xxxx	ethyl acetate      Flam. Liq. 2, H225     Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	25-50%
EC number: 925-292-5	Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich  Flam. Liq. 2, H225 Repr. 2, H361; STOT RE 2, H373; Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	<20%
CAS: 75-09-2 EINECS: 200-838-9 Index number: 602-004-00-3 Reg.nr.: 01-2119480404-41-XXXX	dichloromethane Carc. 2, H351 Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H336	<1%
CAS: 109-99-9 EINECS: 203-726-8 Index number: 603-025-00-0	tetrahydrofuran	<1%

 Regulation (EC) No 648/2004 on detergents / Labelling for contents 30 % and more aliphatic hydrocarbons

· Additional information: For the wording of the listed hazard phrases refer to section 16.



Printing date 09.08.2021 Version number 307 (replaces version 306) Revision: 09.08.2021

Trade name: Nitrothinner E-COLL

(Contd. of page 3)

## **SECTION 4: First aid measures**

#### · 4.1 Description of first aid measures

#### · General information:

Personal protection for the First Aider. Immediately remove any clothing soiled by the product.

· After inhalation: Supply fresh air.

#### · After skin contact:

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

- · After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing:

Do not induce vomiting; call for medical help immediately. Drink plenty of water and provide fresh air. Call for a doctor immediately.

 $\cdot$  4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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

No further relevant information available.

## **SECTION 5: Firefighting measures**

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment:

Do not inhale explosion gases or combustion gases.

Mouth respiratory protective device.

### **SECTION 6: Accidental release measures**

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

### · 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

(Contd. on page 5)



Printing date 09.08.2021 Version number 307 (replaces version 306) Revision: 09.08.2021

Trade name: Nitrothinner E-COLL

(Contd. of page 4)

Prevent seepage into sewage system, workpits and cellars.

Do not allow to enter sewers/ surface or ground water.

#### · 6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

#### · 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

#### · 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Keep receptacles tightly sealed.

### · Information about fire - and explosion protection:



Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

Fumes can combine with air to form an explosive mixture.

Avoid open flames, sparks, other sources of ignition and direct sunlight.

Do not spray onto a naked flame or any incandescent material.

## · 7.2 Conditions for safe storage, including any incompatibilities

## · Storage:

#### · Requirements to be met by storerooms and receptacles:

Store in a cool location.

Provide floor trough without outlet.

Store only in the original receptacle.

· Information about storage in one common storage facility: Store away from oxidising agents.

#### · Further information about storage conditions:

Keep container tightly sealed.

Protect from heat and direct sunlight.

#### · Storage class: -

· 7.3 Specific end use(s) No further relevant information available.



Printing date 09.08.2021 Version number 307 (replaces version 306) Revision: 09.08.2021

Trade name: Nitrothinner E-COLL

(Contd. of page 5)

#### **SECTION 8: Exposure controls/personal protection**

#### · 8.1 Control parameters

· Ingred	· Ingredients with limit values that require monitoring at the workplace:		
CAS: 67-64-1 acetone			
IOELV Long-term value: 1210 mg/m³, 500 ppm			
CAS:	141-78-6 ethyl acetate		
IOELV	/ Short-term value: 1468 mg/m³, 400 ppm Long-term value: 734 mg/m³, 200 ppm		
CAS: 109-99-9 tetrahydrofuran			
IOELV	/ Short-term value: 300 mg/m³, 100 ppm		
	Long-term value: 150 mg/m³, 50 ppm		
1	Skin		

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see item 7.
- · Individual protection measures, such as personal protective equipment

## · General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes.

### · Respiratory protection:

Not necessary if room is well-ventilated.
Use suitable respiratory protective device in case of insufficient ventilation.
Self-contained respiratory protective device.

#### Hand protection



Protective gloves

Only use chemical-protective gloves with CE-labelling of category III.

## Material of gloves

Butyl rubber, BR

Recommended thickness of the material: ≥ 0.4 mm

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye/face protection Recommendation: safety glasses with side protection shield

(Contd. on page 7)



Printing date 09.08.2021 Version number 307 (replaces version 306) Revision: 09.08.2021

Trade name: Nitrothinner E-COLL

(Contd. of page 6)

· Body protection: Protective work clothing

### **SECTION 9: Physical and chemical properties**

· 9.1 Information on basic physical and chemical properties

· General Information

· Colour: Clear

Odour: CharacteristicOdour threshold: Not determined.

· Melting point/freezing point: -50 °C

· Boiling point or initial boiling point and boiling

range >56 °C

Flammability
 Not applicable.

· Lower and upper explosion limit

Lower: 1.8 Vol %
 Upper: 13 Vol %
 Flash point: -20 °C

· **Auto-ignition temperature:** Product is not selfigniting.

• **Decomposition temperature:** Not determined.

· pH at 20 °C 7

· Viscosity:

· Kinematic viscosity Not determined.

Kinematic: 23 °C - 4 mm (ISO 2431)

Dynamic: Not determined.

Solubility

• water: Not miscible or difficult to mix.

Partition coefficient n-octanol/water (log value)
 Vapour pressure:
 Not determined.
 Not determined.

Density and/or relative density

Density at 20 °C: 0.84 g/cm³
 Relative density Not determined.
 Vapour density Not determined.

· 9.2 Other information

· Appearance:

· Form: Liquid

· Important information on protection of health

and environment, and on safety.

· Ignition temperature: 200 °C

• Explosive properties: Product is not explosive. However, formation of

explosive air/vapour mixtures are possible.

· Solvent separation test:

· Organic solvents: 52-<102 %

· Change in condition

· Softening point/range

Oxidising propertiesEvaporation rateNot determined.Not determined.

Information with regard to physical hazard classes

Classes

Explosives VoidFlammable gases Void

(Contd. on page 8)



Printing date 09.08.2021 Version number 307 (replaces version 306) Revision: 09.08.2021

**Trade name: Nitrothinner E-COLL** 

		(Contd. of page 7)
· Aerosols	Void	, , ,
· Oxidising gases	Void	
· Gases under pressure	Void	
Flammable liquids		
Highly flammable liquid and vapour.		
Flammable solids	Void	
· Self-reactive substances and mixtures	Void	
· Pyrophoric liquids	Void	
· Pyrophoric solids	Void	
· Self-heating substances and mixtures	Void	
· Substances and mixtures, which emit flamn	nable	
gases in contact with water	Void	
· Oxidising liquids	Void	
· Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
· Desensitised explosives	Void	

## **SECTION 10: Stability and reactivity**

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- 10.3 Possibility of hazardous reactions Reacts with strong oxidising agents.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

## **SECTION 11: Toxicological information**

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:		
CAS: 67-64-1 acetone		
Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rabbit)
Inhalative	LC50/4h	76 mg/m³ (rat)
CAS: 141-78-6 ethyl acetate		
Oral	LD50	5,620 mg/kg (rabbit)
Inhalative	LC50/4h	1,600 ppm (rat)
CAS: 75-09-2 dichloromethane		
Oral	LD50	1,600 mg/kg (rat)



Printing date 09.08.2021 Version number 307 (replaces version 306) Revision: 09.08.2021

Trade name: Nitrothinner E-COLL

| Inhalative | LC50/4h | 88 ppm (rat) | CAS: 109-99-9 tetrahydrofuran | LD50 | 2,500 mg/kg (rat) |

#### · Skin corrosion/irritation

Causes skin irritation.

#### · Serious eye damage/irritation

Causes serious eye irritation.

- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.

#### · Reproductive toxicity

Suspected of damaging fertility or the unborn child.

#### STOT-single exposure

May cause drowsiness or dizziness.

#### STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

#### Aspiration hazard

May be fatal if swallowed and enters airways.

· 11.2 Information on other hazards

#### · Endocrine disrupting properties

None of the ingredients is listed.

## **SECTION 12: Ecological information**

### · 12.1 Toxicity

· Aquatic toxicity:		
CAS: 67-64-1 acetone		
LC50 (96h) 5,000 mg/L (Lepomis macrochirus)		
LC50/48h	8,800 mg/l (Daphnia magna)	
NOEC	430 mg/l (algae)	
NOEC/16h	1,700 mg/l (Pseudomonas putida)	
NOEC/48h	4,740 mg/l (Pseudokirchneriella subcapitata)	
96h LC50	5,540 mg/l (Oncorhynchus mykiss)	

- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.

(Contd. on page 10)



Printing date 09.08.2021 Version number 307 (replaces version 306) Revision: 09.08.2021

Trade name: Nitrothinner E-COLL

(Contd. of page 9)

- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- · 12.7 Other adverse effects
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system.

### **SECTION 13: Disposal considerations**

· 13.1 Waste treatment methods:

Containers can be recycled if completely empty; if not, dispose product/containers as dangerous waste. Observe local regulations.

· European waste catalogue

07 03 04\* other organic solvents, washing liquids and mother liquors

## **SECTION 14: Transport information**

- · 14.1 UN number or ID number
- · ADR, IMDG, IATA

UN1993

- · 14.2 UN proper shipping name
- · ADR
- · IMDG, IATA

UN1993 FLAMMABLE LIQUID, N.O.S. (ACETONE, ETHYL ACETATE)

FLAMMABLE LIQUID, N.O.S. (ACETONE, ETHYL ACETATE)

- · 14.3 Transport hazard class(es)
- · ADR



ClassLabel

3 (F1) Flammable liquids.

3

(Contd. on page 11)



Printing date 09.08.2021 Version number 307 (replaces version 306) Revision: 09.08.2021

Trade name: Nitrothinner E-COLL

(Contd. of page 10)

· IMDG, IATA



· Class 3 Flammable liquids.

· Label 3

· 14.4 Packing group

· ADR, IMDG, IATA ||

· 14.5 Environmental hazards:

· Marine pollutant: No

• 14.6 Special precautions for user Warning: Flammable liquids.

Hazard identification number (Kemler code): 33
 EMS Number: F-E,S-E
 Stowage Category B

· 14.7 Maritime transport in bulk according to IMO

**instruments** Not applicable.

· Transport/Additional information:

· ADR

Limited quantities (LQ)Excepted quantities (EQ)Code: E2

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

Transport categoryTunnel restriction codeD/E

· IMDG

Limited quantities (LQ)Excepted quantities (EQ)Code: E2

Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

• UN "Model Regulation": UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONE,

ETHYL ACETATE), 3, II

## **SECTION 15: Regulatory information**

- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I Methanol
- $\cdot$  Qualifying quantity (tonnes) for the application of lower-tier requirements  $5.000\ t$
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 50.000 t

(Contd. on page 12)



Printing date 09.08.2021 Version number 307 (replaces version 306) Revision: 09.08.2021

Trade name: Nitrothinner E-COLL

(Contd. of page 11)

- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 59
- · DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment Annex II

None of the ingredients is listed.

- · REGULATION (EU) 2019/1148
- · Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

#### · Annex II - REPORTABLE EXPLOSIVES PRECURSORS

CAS: 67-64-1 acetone

#### · Exposure scenario(s)

Exposure scenario(s) of ingredients (if present) are available on request at: sdb@ede.de

#### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · Relevant phrases

- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.
- H361 Suspected of damaging fertility or the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- EUH019 May form explosive peroxides.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- · Department issuing SDS: Product safety department
- · Contact: sdb@ede.de
- Date of previous version: 09.08.2021
  Version number of previous version: 306

#### · Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2



Printing date 09.08.2021 Version number 307 (replaces version 306) Revision: 09.08.2021

**Trade name: Nitrothinner E-COLL** 

(Contd. of page 12)

Carc. 2: Carcinogenicity - Category 2

Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

 $\cdot$  \* Data compared to the previous version altered.

EU —