

SAFETY DATA SHEET

Zettex Easy Contact S40

pursuant to 1907/2006/EC, Article 31

Page: 1/10

Print date: 13.07.2023

Version: 13 (replaces version 12)

revised on: 13.07.2023

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

- 1.1 Product identifier
 - Handelsname: Zettex Easy Contact S40
 - UFI: CC7U-7UKN-E00M-K9Q8
- 1.2 Relevant identified uses of the substance or mixture and uses advised against Restricted to professional users.
- Application of the substance / the mixture Adhesive
- 1.3 Details of the supplier of the safety data sheet · Manufacturer/Supplier:

Zettex Europe BV
 Patrijsweg 1
 4791 RV Klundert - Noord-Brabant - The Netherlands Phone:
 +31(0)888-93 88 39 info@zettex.com
 www.zettex.com
- 1.4 Emergency number: NVIC-Nederland. Tel: +31 (0)88 755 8000 (only for doctors)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture ·
 Classification according to Regulation (EC) No 1272/2008



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS09 Environment

Aquatic Acute 1 H400 Very toxic to aquatic life.
 Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2 H319 Causes serious eye irritation.
 STOT SE 3 H336 May cause drowsiness or dizziness.

- 2.2 Label elements · Labelling
 according to Regulation (EC) No 1272/2008 The product is classified and labelled in accordance with the CLP Regulation.
- Hazard pictograms



GHS02 GHS07 GHS09

- Signal word Danger
- Hazard-determining components of labelling:

Cyclohexane
 Naphtha (petroleum), hydrotreated light
 Acetone
- Hazard warnings

H225 Highly flammable liquid and vapour.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H410 Very toxic to aquatic life with long lasting effects.

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Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid inhalation of vapor.
- P273 Avoid release into the environment.
- P280 Wear protective gloves/eye protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if possible. Continue rinsing.
- P312 If you feel unwell, call a POISON CENTER/ doctor.
- P403+P235 Store in a well-ventilated place. Keep cool.

Additional information:

Contains zinc bis(dibutyldithiocarbamate). May produce an allergic reaction.

For commercial use only.

2.3 Other hazards - Results

of PBT and vPvB assessment Not applicable.

PBT: Not applicable. vPvB:

Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous ingredients:

CAS: 110-82-7 EINECS: 203-806-2 Reg.nr.: 01-2119463273-41	Cyclohexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336 Naphtha (petroleum), hydrotreated	20-<40%
CAS: 64742-49-0 EINECS: 265-151-9	light Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	20-<40%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49	Acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	10-<20%
CAS: 136-23-2 EINECS: 205-232-8 Skin Sens. 1, H317; STOT SE 3, H335	Zinkbis(dibutyldithiocarbamat) Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=10); Reg.nr.: 01-2119535161-51 2, H319; Skin Irrit. 2, H315; Eye Irrit.	<0,5%

Additional information:

"Nafta" classified and labelled according to Directive 67/548/EEC, Note P [contains benzene (CAS: 71-43-2) < 0.1% by weight]

The wording of the hazard statements listed can be found in section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures - General information:

Self-protection of the first aider.

Remove contaminated clothing. If symptoms persist or in all cases of doubt, seek medical advice.

After inhalation: In

case of unconsciousness place patient in stable side position for transport.

If the casualty is not breathing: Perform mouth-to-mouth or mouth-to-nose resuscitation and call an emergency doctor immediately. After skin contact: Wash immediately with soap and water and rinse thoroughly.

After eye contact: Rinse

opened eye for several minutes under running water.

Rinse opened eyes under running water for several minutes. If symptoms persist, consult a doctor.

After swallowing: Rinse

mouth with water. If symptoms persist, consult a doctor.

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.

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SECTION 5: Firefighting measures

· 5.1 Extinguishing

media · Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Extinguish larger fires with water spray or foam.

· For safety reasons unsuitable extinguishing agents: Water with full jet · 5.2 Special hazards

arising from the substance or mixture Under certain fire conditions, traces of toxic substances cannot be excluded, such as: Carbon monoxide (CO)

· 5.3 Advice for firefighters · Protective equipment:

Wear self-contained breathing apparatus.

Wear a full protective suit.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.

6.2 Environmental protection measures:

Do not allow to enter drains or waterways.

Prevent entry into sewers, pits and cellars.

If product enters waterways or sewage system, notify the relevant authorities.

Do not allow to enter drains/surface water/ground water.

6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

· 6.4 Reference to other sections

For information on safe handling, see section 7.

For information on personal protective equipment, see section 8.

For disposal information, see section 13.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling Ensure good ventilation/extraction at the workplace.

Avoid aerosol formation.

· Information about fire and explosion protection: Keep ignition sources away - do not smoke.

From 1 July 2003, all organisations within the EU where there is a risk of explosion must work in compliance with the new directive ATEX 137 (Directive 1999/92/EC).

This covers all situations in which people are exposed to an explosion risk. The directive does not regulate the use of equipment in an explosive atmosphere. However, this use of equipment is regulated by Directive 94/9/EC (ATEX 95).

· 7.2 Conditions for safe storage, including any incompatibilities · Storage: · Requirements to be met by storerooms and containers:

Store in a cool place.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions: Keep container tightly closed.

Store in well-sealed containers in a cool, dry place.

· Storage hazard class (VCI) 3 · Classification

according to the Ordinance on Operational Safety and Health (BetrSichV): Flammable liquids · GHS Code S1 Laying materials with a high solvent content, free from aromatics and methanol · 7.3 Specific end use(s) No further relevant information available.

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SECTION 8: Exposure controls/personal protection**8.1 Parameters to be monitored**

· Components with workplace-related limit values that require monitoring:

110-82-7 Cyclohexane

AGW (Germany)	Long-term value: 700 mg/m ³ , 200 ml/m ³ 4(II);DFG, EU
IOELV (European Union) Long-term value:	700 mg/m ³ , 200 ml/m ³
MAK (Austria)	Short-term value: 2800 mg/m ³ , 800 ml/m ³ Long-term value: 700 mg/m ³ , 200 ml/m ³

67-64-1 Acetone

AGW (Germany)	Long-term value: 1200 mg/m ³ , 500 ml/m ³ 2(I);AGS, DFG, EU, Y
IOELV (European Union) Long-term value:	1210 mg/m ³ , 500 ml/m ³
MAK (Austria)	Short-term value: 4800 mg/m ³ , 2000 ml/m ³ Long-term value: 1200 mg/m ³ , 500 ml/m ³

· Components with biological limit values:

110-82-7 Cyclohexane

BGW (Germany) 150 mg/g creatinine	Test material: Urine Time of sampling: in case of long-term exposure: at the end of the shift after several previous shifts, end of exposure or end of shift Parameter: 1,2-cyclohexanediol (after hydrolysis)
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67-64-1 Acetone

BGW (Germany) 50 mg/l Test	material: Urine Sampling time: End of exposure or end of shift Parameter: Acetone
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· Additional information: The lists valid during the creation were used as basis.

· 8.2 Exposure controls · Appropriate engineering controls No
further data; see section 7.

· Individual protective measures, for example personal protective equipment · General protective and
hygiene measures: Clean contaminated clothing by
vacuuming, do not blow or brush.

The usual precautions when handling chemicals must be observed.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing immediately.

Wash your hands before breaks and at the end of work.

Do not breathe gases/vapours/aerosols.

Avoid contact with eyes and skin.

Do not carry product-soaked cleaning rags in your trouser pockets.

· Respiratory protection

In case of inadequate ventilation, wear respiratory protection.

The oxygen content of the breathing air must be sufficient, ie > 17%. For

short-term or low exposure, use a breathing filter device; for intensive or longer exposure, use a self-contained breathing apparatus.
use.

Filter AXP3(EN371)

· Hand protection



protective gloves

Butyl rubber gloves (EN374, EN388:4101).

Permeation EN374-3: 2003 (minutes)> 480 minutes Selection

of the glove material taking into account the breakthrough times, permeation rates and degradation.

When wearing protective gloves, disposable cotton liners are recommended. However, these liners must be discarded after each use to prevent potential
hazard from absorbed product.

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· **Glove material**

The selection of a suitable glove depends not only on the material, but also on other quality features and on Manufacturer to manufacturer. Since the product is a preparation of several substances, the resistance of Glove materials cannot be predicted and must therefore be checked before use.

· **Penetration time of the glove material**

The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.

· **For long-term contact, gloves made of the following materials are suitable: Butyl rubber**· **For continuous contact of a maximum of 15 minutes, gloves made of the following materials are suitable: Butyl rubber**· **Eye/face protection**

Tightly sealed safety goggles

safety glasses (EN166)

· **Body protection: Protective work clothing (EN 340, 463, 468, 943-1, 943-2)****SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**· **General Information**· **Physical state · Colour**· **Odour:**· **Odour**threshold: · **Melting**point/freezing point: · **Boiling point or**initial boiling point and boiling range · **Flammability**

Fluid

Hellbraun

Characteristic

Not determined.

Not determined.

55.8-56.6 °C (67-64-1 Acetone)

Highly flammable.

· **Lower and upper explosion limits**· **Lower:**

Small:

1,3 Vol % (110-82-7 Cyclohexan)

13 Vol % (67-64-1 Acetone)

Flash point:

-20 °C (67-64-1 Acetone)

· **ignition temperature**

260 °C

· **Decomposition temperature:**

Not determined.

pH-value:

Not applicable.

· **Viscosity (ASTM D3236, 100°C)**· **ISO DIN Cup 6 mm (23°C)**

28 sec

· **Dynamic at 20 °C:**

400 mPas

· **Dynamic (20°C):**· **Solubility**· **Water:**

not or only slightly miscible.

Not determined.

· **Partition coefficient n-octanol/water (log value)**· **Vapor pressure at 20 °C:**

233 hPa (67-64-1 Acetone)

· **Vapor pressure at 50 °C:**

800 hPa

· **Density and/ or relative density****Density at 20 °C:**0,82 g/cm³· **vapor density**

Not determined.

9.2 Other information· **Look:**

Form: Liquid

· **Important information on health and environmental protection as well as for safety**· **Ignition temperature:**

The product is not self-igniting.

· **Explosive properties:**

The product is not explosive, but the formation
Explosive vapor/air mixtures are possible.

· **Solvent content:****Organic solvents:**

63,1 %

· **VOC (EG)**

517,4 g/l

· **VOC% (EG)**

63,10 %

· **Solid content:**

36,9 %

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· Change of state	
· Evaporation rate	Not determined.
· Information on physical hazard classes	
· Explosive substances/mixtures and products containing explosives are no longer applicable	
· Flammable gases not applicable	
· Aerosols	omitted
· Oxidizing gases	omitted
· Gases under pressure	omitted
· Flammable liquids	Highly flammable liquid and vapor.
· Flammable solids	omitted
· Self-reactive substances and mixtures	omitted
· Pyrophoric liquids	omitted
· Pyrophoric solids	omitted
· Self-heating substances and mixtures	omitted
Substances and mixtures which, in contact with water, develop gases	omitted
· Oxidizing liquids	omitted
· Oxidizing solids	omitted
· Organic Peroxide	omitted
· Substances and mixtures that are corrosive to metals are not included	
· Desensitized substances/mixtures and articles with explosive	
	omitted

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 No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: Oxidizing agents
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on hazard classes within the meaning of Regulation (EC) No 1272/2008
 - The product has not been tested. The statements below are derived from the properties of the individual components.
 - Acute toxicity Based on available data, the classification criteria are not met.

Classification-relevant LD/LC50 values:

110-82-7 Cyclohexane

Oral LD50 >5.000 mg/kg (Rat)

Dermal LD50 >2.000 mg/kg (Rabbit)

64742-49-0 Naphtha (petroleum), hydrotreated light

Oral LD50 >5.000 mg/kg (rat)

Dermal LD50 >2.000 mg/kg (rat)

67-64-1 Acetone

Oral LD50 >5.000 mg/kg (Rat)

Dermal LD50 >5.000 mg/kg (Rabbit)

Inhalativ LC50 39 mg/l (Rat)

136-23-2 Zinkbis(dibutyldithiocarbamat)

Oral LD50 >2.000 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.

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- Reproductive toxicity Based on available data, the classification criteria are not met.
- Specific target organ toxicity - single exposure May cause drowsiness or dizziness.
- Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.
- 11.2 Information on other hazards · Endocrine

disrupting properties

None of the ingredients are included.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

110-82-7 Cyclohexane

LC50, 96h 4,53 mg/l (Fathered minnow, Pimephales promelas)

EC50, 48h 0,9 mg/l (Daphnia magna)

EC50, 72h 3,4 mg/l (Algae)

67-64-1 Acetone

LC50, 96h >5.000 mg/l (Fish)

EC50, 48h 39 mg/l (Daphnia magna)

- 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.
- 12.5 Results of PBT and vPvB assessment · PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Endocrine disrupting properties The product does not contain any substances with endocrine disrupting properties.
- 12.7 Other adverse effects · Remark: Very toxic

for fish.

· Other information:

Ecotoxicological data have not been specifically determined for this product. The information provided is based on knowledge of the components and the ecotoxicology of similar products.

· Additional ecological information: ·

General notes: Water hazard

class 2 (Self-assessment): considerably hazardous for water. Do not allow product to reach ground water, water bodies or sewage system.

Even small amounts of water leak into the ground pose a risk to drinking water.

In water also toxic to fish and plankton. Very toxic to aquatic organisms

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods · Recommendation:
Must not be disposed of together with household garbage. Do not empty into drains.
- European Waste Catalogue Agree on the exact waste code with the waste disposal company.
- Uncleaned packaging: ·
Recommendation: Disposal must be according to official regulations.

SECTION 14: Transport information

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

UN1133

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

1133 ADHESIVES
ADHESIVES, MARINE POLLUTANT
ADHESIVES

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· 14.3 Transport hazard classes

· ADR



· Class

3 (F1) Flammable liquids

· Danger label

3

· IMDG



· Class

3 Flammable liquids

· Label

3

· HERE IT IS



· Class

3 Flammable liquids

· Label

3

· 14.4 Packing group

· ADR, IMDG, IATA

II

· 14.5 Environmental hazards: · Marine pollutant:

 The product contains environmentally hazardous substances: Cyclohexane
And

symbol (fish and tree)

· Special marking (ADR):

symbol (fish and tree)

· 14.6 Special precautions for user Warning: Flammable liquids

· Hazard identification number (Kemler number): 33

· EMS number: FE,SD

· Stowage Category B

· 14.7 Bulk cargo transport by sea according to IMO instruments

Not applicable.

· Transport/further information:

· ADR

Limited Quantity (LQ)

5L

Exempted Quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· Transport category

2 D/E

· Tunnel restriction code

· Comments:

 The product is classified in terms of viscosity in
Compliance with ADR, Part 2, Chapter 2.2, Paragraph 2.2.3.1.4

· IMDG

· Limited quantities (LQ)

5L

· Exempted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· Comments:

 The product is classified in terms of viscosity in
Compliance with IMDG, Part 2, Chapter 2.3, Paragraph 2.3.2.2

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· UN "Model Regulation":

UN 1133 ADHESIVES, 3, II, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Legal provisions

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

· Directive 2012/18/EU ·

Named dangerous substances - ANNEX I None of the ingredients are listed.

· Seveso category E1

Hazardous to the aquatic
environment P5c FLAMMABLE LIQUIDS ·Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t · Qualifying quantity (tonnes) for
the application of upper-tier requirements 200 t · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of
restriction: 3, 57 · 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 are included.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper concentration limit for an authorisation under Article 5(3))

None of the ingredients are included.

· Annex II - PRECURSORS FOR EXPLOSIVES THAT MUST BE REPORTED

67-64-1 Acetone

· Regulation (EC) No 273/2004 on drug precursors

67-64-1 Acetone

3

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade in drug precursors between the Community and third countries

67-64-1 Acetone

3

· National regulations:

· Technical Instructions Air:

Class Share in %

NK 60-~80

Water hazard class: WGK 2 (self-assessment): clearly hazardous to water.

15.2 Chemical safety assessment: A chemical safety assessment has not been carried out.

SECTION 16: Other information The information is

based on our current state of knowledge. However, it does not represent any guarantee of product properties and does not establish any contractual legal relationship.

· Relevant phrases

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

· Date of previous version: 10.11.2020 · Version number

of previous version: 12 · Abbreviations and acronyms: RID:

Règlement international concernant le

transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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ADR: 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)
 VOC: Volatile Organic Compounds (USA, EU)
 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 irritation/corrosion – Category 2 Eye Irrit. 2: Serious
 eye damage/eye irritation – Category 2 Skin Sens. 1: Skin sensitization
 – Category 1 STOT SE 3: Specific target organ toxicity
 (single exposure) – Category 3 Asp. Tox. 1: Aspiration hazard – Category 1 Aquatic
 Acute 1: Hazardous to the aquatic environment
 - acute aquatic hazard – Category 1 Aquatic Chronic 1: Hazardous to the aquatic
 environment - long-term aquatic hazard – Category 1 Aquatic Chronic 2: Hazardous to the
 aquatic environment - long-term aquatic hazard – Category 2 - Sources

Classification does not correspond to the current EC lists, but is supplemented with data from specialist publications and data from the company.

Data changed compared to the previous version

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