

Safety Data Sheet

according to Regulation (EC) No 1907/2006

MultiEx GC

Revision date: 27.12.2017

Product code: 090612-RM

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

1.1. Product identifier

MultiEx GC

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

Use of the substance/mixture

Electronics cleaner for spray and immersion plants
Professional cleaners for industrial use

1.3. Details of the supplier of the safety data sheet

| | | |
|-------------------------|-------------------------------|---------------------------|
| Company name: | kolb Cleaning Technology GmbH | |
| Street: | Karl-Arnold-Str. 12 | |
| Place: | D-47877 Willich | |
| Telephone: | +49-2154-947938 | Telefax: +49-2154-947947 |
| e-mail: | info@kolb-ct.com | |
| Contact person: | Herr Linker | Telephone: +49-2324-97980 |
| e-mail: | christian.linker@kolb-ct.com | |
| Internet: | www.kolb-ct.com | |
| Responsible Department: | Labor/ QS | |

1.4. Emergency telephone number: +49/ (0) 23 24/ 979817 (EU)
+61 4 19 809 805 (Australia)
+1 970 443 9233 (USA)

Further Information

| | |
|-------------------------------------|---------------------------|
| Australia: | USA: |
| kolb Cleaning Technology AP PTY LTD | kolb USA LLC |
| 6/150 Canterbury Road | 410 Sunset, Unit C |
| NSW 2200 Bankstown | 80501 Longmont – CO |
| Phone: +61 2 97900273 | Phone 001- 970-532-5100 |
| Mobile +61 4 19 809 805 | Mobile: 001- 970-443-9233 |

SECTION 2: Hazards identification

2.2. Label elements

Hazard components for labelling

This mixture does not contain any substances which either present a health or environmental hazard according to directive 67/548/EEC or have an occupational exposure limit assigned. The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Nutrale SMD adhesive cleaner for the electronics industry on the basis of (EG 648/2004 VO detergents):
Alkylpropylenglykolen, Korrosionsinhibitoren, Schaumregulatoren (silikonfrei), pH-Regulatoren.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

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After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Medical examination necessary even merely on suspicion of intoxication.

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

Observe risk of aspiration if vomiting occurs.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry extinguishing powder, Foam, Extinguishing powder, alcohol resistant foam, ABC-powder

Unsuitable extinguishing media

Water spray jet

5.2. Special hazards arising from the substance or mixture

Carbon monoxide

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Special danger of slipping by leaking/spilling product.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Remove contaminated, saturated clothing immediately.

Advice on protection against fire and explosion

not applicable

Further information on handling

not applicable

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

No special handling advices are necessary.

Further information on storage conditions

No storage class

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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8.2. Exposure controls

Eye/face protection

Suitable eye protection: protective glasses

Hand protection

Tested protective gloves must be worn

Environmental exposure controls

non

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|-------------|
| Physical state: | liquid: |
| Colour: | transparent |
| Odour: | neutral |

Test method

| | |
|-----------|----------------|
| pH-Value: | not measurable |
|-----------|----------------|

Changes in the physical state

| | |
|--|--------|
| Initial boiling point and boiling range: | 180 °C |
|--|--------|

| | |
|--------------|-------------------|
| Flash point: | [see also 9.2] °C |
|--------------|-------------------|

Explosive properties

The study does not need to be conducted because the flash-point can be accurately predicted by interpolation from existing characterised materials. *

| | |
|-------------------------|------------|
| Lower explosion limits: | 1,1 vol. % |
|-------------------------|------------|

| | |
|-------------------------|-----------|
| Upper explosion limits: | 14 vol. % |
|-------------------------|-----------|

Oxidizing properties

keine

| | |
|--------------------------------|------------|
| Vapour pressure: (at 20 °C) | 0,0097 hPa |
|--------------------------------|------------|

| | |
|---------------------|-------------------------|
| Density (at 20 °C): | 0,953 g/cm ³ |
|---------------------|-------------------------|

| | |
|-------------------|---------------------|
| Water solubility: | completely miscible |
|-------------------|---------------------|

Solubility in other solvents

Alcohol, Glycol

| | |
|------------------------------------|----------------------|
| Viscosity / dynamic: (at 20 °C) | 23,0 mPa·s DIN 51376 |
|------------------------------------|----------------------|

| | |
|------------------|-------|
| Solvent content: | 100 % |
|------------------|-------|

9.2. Other information

not subject to the requirements of § 4 of the Hazardous Substances Ordinance (GefStoffV)

SECTION 10: Stability and reactivity

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.6. Hazardous decomposition products

not known

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Daphnia magna: > 10000 mg/ltr

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

070604 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; other organic solvents, washing liquids and mother liquors
Classified as hazardous waste.

SECTION 14: Transport information

Land transport (ADR/RID)

14.2. UN proper shipping name:

No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

14.2. UN proper shipping name:

No dangerous good in sense of these transport regulations.

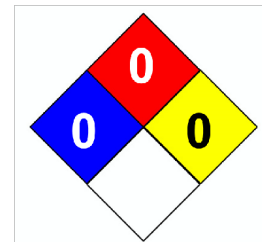
Air transport (ICAO-TI/IATA-DGR)

14.2. UN proper shipping name:

No dangerous good in sense of these transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no



SECTION 15: Regulatory information

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

National regulatory information



CLEANING TECHNOLOGY
Made in Germany

kolb Cleaning Technology GmbH

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15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)