

Trade name: Eulex**Product no.:** 43999**Current version :** 1.0.0, issued: 20.04.2020**Replaced version:** 1.0.0, issued: 19.04.2020**Region:** USA**SECTION 1: Identification****1.1 Product identifier**

Trade name

Eulex**1.2 Recommended use of the chemical and restrictions on use****Recommended use of the chemical and restrictions on use**

Cleaner

Restrictions on use

No data available.

1.3 Details of the supplier of the safety data sheet**Address**

Koch-Chemie GmbH

Einsteinstr. 42

D-59423 Unna

Telephone no. +49-2303-9 86 70-0

Fax no. +49-2303-9 86 70-26

1.4 Emergency phone number

(+1) 202 464 2554

SECTION 2: Hazard(s) identification**2.1 Classification of the chemical****Classification of the chemical in accordance with paragraph (d) of 29 CFR § 1910.1200 "Hazard Communication"**

Flammable Liquids - Category 3

Specific Target Organ Toxicity - Single Exposure - narcotic effects - Category 3

2.2 Label elements**Pictogram(s)****Signal word**

Warning

Hazard Statement(s)

Physical hazards

Health hazards

Flammable liquid and vapor

May cause drowsiness or dizziness

Precautionary Statement(s)

Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/ lighting/equipment.

Use non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Use only outdoors or in a well-ventilated area.

Wear eye protection/face protection.

Response

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

Call a poison center/doctor if you feel unwell.

In case of fire: Use carbon dioxide (CO₂), alcohol resistant foam, extinguishing powder, water mist to extinguish.

Storage

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Disposal

Store locked up.

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

2.3 Labelling information

No data available

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No data available

SECTION 3: Composition / information on ingredients**3.1 Substances****Chemical characterization**

Substance name n-butyl acetate

Identification number(s)

CAS no. 123-86-4

3.2 Mixtures

Not applicable. The product is not a mixture.

SECTION 4: First-aid measures**4.1 Description of necessary first-aid measures****General information**

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air.

After skin contact

In case of contact with skin wash off with water.

After eye contact

Remove contact lens. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Fire-fighting measures**5.1 Extinguishing media****Suitable extinguishing media**

No data available.

Unsuitable extinguishing media

Full water jet

5.2 Specific hazards arising from the chemical

In the event of fire, the following can be released:

5.3 Special protective equipment and precautions for fire-fighters

Use self-contained breathing apparatus. Wear protective clothing. Containers close to fire should be transferred to a safe place. Cool closed containers exposed to fire with water.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Keep away from ignition sources.

For emergency responders

Personal protective equipment (PPE) - see Section 8.

6.2 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in suitable container for disposal.

SECTION 7: Handling and storage

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7.1 Precautions for safe handling**Precautions for safe handling**

Risks inherent to handling the product must be minimised by applying appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Isolate from sources of heat, sparks and open flame. Take precautionary measures against electrostatic loading (earthing necessary during loading operations). Use explosion-proof equipment/fittings and non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Substances to be avoided: see chapter 10.

SECTION 8: Exposure controls / personal protection**8.1 Control parameters****Occupational exposure limit(s)**

No	Substance name	CAS no.
1	n-butyl acetate	123-86-4
ACGIH Threshold Limit Values		
Butyl acetates, all isomers		
	STEL	150 ppm
	TWA	50 ppm
OSHA Permissible Exposure Limits (PELS)		
n-Butyl-acetate		
	TWA	710 mg/m ³ 150 ppm

8.2 Exposure controls**Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational ExposureLimit), suitable respiratory protection must be worn.

Individual protection measures, such as personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Filter A or environment-independent breathing apparatus.

Eye / face protection

Safety glasses with side protection shield

Hand protection

Sufficient protection is given wearing suitable protective gloves in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves. Multi-layer gloves

Appropriate Material PE / EVAL / PE

Breakthrough time >= 8 h

Other protection measures

Chemical-resistant work clothes.

SECTION 9: Physical and chemical properties

Form/Color

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liquid		
colorless		
Odor		
characteristic		
Odor threshold		
No data available		
pH value		
No data available		
Boiling point / boiling range		
Value	127	°C
Melting point / melting range		
No data available		
Sublimation point / sublimation range		
Value		°C
Decomposition point / decomposition range		
No data available		
Flash point		
Value	25	°C
Method	closed cup	
Ignition temperature		
Value	390	°C
Auto-ignition temperature		
No data available		
Oxidising properties		
No data available		
Explosive properties		
This product is not explosive. In and after use danger of production of inflammable compounds.		
Flammability (solid, gas)		
No data available		
Lower flammability or explosive limits		
Value	1.2	% vol
Upper flammability or explosive limits		
Value	8.5	% vol
Vapor pressure		
No data available		
Vapor density		
No data available		
Evaporation rate		
No data available		
Relative density		
No data available		
Density		
Value	0.88	g/cm ³
Reference temperature	20	°C
Solubility in water		
No data available		
Solubility(ies)		
No data available		
Partition coefficient: n-octanol/water		
No data available		
Viscosity		
No data available		
Other information		
Other information		

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No data available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions(See section 7).

10.3 Possibility of hazardous reactions

Explosion hazard upon contact with: Oxidizing agents

10.4 Conditions to avoid

None, if handled according to intended use. Heat, open flames and other sources of ignition.

10.5 Incompatible materials

Oxidizing agents; Alkali metals; alkaline hydroxides

10.6 Hazardous decomposition products

None, if handled according to intended use.

SECTION 11: Toxicological information**Information on toxicological effects****Acute oral toxicity**

No data available

Acute dermal toxicity

No data available

Acute inhalational toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Reproduction toxicity

No data available

Carcinogenicity

No data available

NTP Report on Carcinogens (RoC)

The substance is not listed "known" (to be a human carcinogen) or "RAHC" (reasonably anticipated to be a human carcinogen).

OSHA Standards listing cancer as a health effect (Table VII.6.2)

The substance is not considered being a "carcinogen".

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

The substance is not classified by the IARC Monographs.

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration hazard

No data available

SECTION 12: Ecological information**12.1 Toxicity****Toxicity to fish (acute)**

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No data available

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)

No data available

Toxicity to Daphnia (chronic)

No data available

Toxicity to algae (acute)

No data available

Toxicity to algae (chronic)

No data available

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Other adverse effects

No data available.

12.6 Other information**Other information**

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations**13.1 Disposal considerations****Product**

Dispose in accordance with federal, state and local regulations.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in accordance with federal, state and local regulations.

SECTION 14: Transport information**14.1 US DOT (Department of Transportation)**

Transport hazard class	3
Packaging group	III
UN/NA number	UN1123
UN proper shipping name	Butyl acetates
Label code(s)	3

14.2 Transport IMDG

Class	3
Packaging group	III
UN number	UN1123
Proper shipping name	BUTYL ACETATES
EmS	F-E, S-D
Label	3

14.3 Transport ICAO-TI / IATA

Class	3
Packaging group	III
UN number	UN1123
Proper shipping name	Butyl acetates
Label	3

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, pls. see 14.1 - 14.3.

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No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

SECTION 15: Regulatory information**15.1 US Federal Regulations****Toxic Substances Control Act (TSCA)**

According to the data available and/or specifications supplied by upstream suppliers, all components of this product are on the TSCA Inventory or are exempted from notification requirements.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)

The substance is considered being subject to Table 302.4 "List of Hazardous Substances and Reportable Quantities".

No	Substance name	CAS no.
1	n-butyl acetate	123-86-4

Clean Air Act (CAA): Hazardous Air Pollutants (HAPS)

The substance is not a "Hazardous Air Pollutant".

Clean Water Act (CWA) Section 307 (Toxic Pollutants) and Section 311 (Hazardous Substances)

The substance is considered being a "Hazardous Substance".

No	Substance name	CAS no.
1	n-butyl acetate	123-86-4

EPCRA SARA Section 313, Toxic Chemical Release Inventory

The substance is not subject to "SARA Reporting".

Emergency Planning & Community Right-to-Know Act (EPCRA) - Sections 302 and 304

The substance is not subject to reporting requirements.

Clean Air Act (CAA) - Section 602 Ozone depleting substances

The substance is not considered being a ozone depleting substance.

15.2 US State Regulations**Pennsylvania State Right to Know Hazardous Substance List**

The substance is considered being a "Hazardous Substance".

No	Substance name	CAS no.
1	n-butyl acetate	123-86-4

New Jersey State Right to Know Hazardous Substance List

The substance is considered being a "Hazardous Substance".

No	Substance name	CAS no.
1	n-butyl acetate	123-86-4

Massachusetts State Right to Know Hazardous Substance List

The substance is considered being a "Hazardous Substance".

No	Substance name	CAS no.
1	n-butyl acetate	123-86-4

Right to Know - California State - Proposition 65

The substance is not a "Hazardous Substance".

SECTION 16: Other information, including date of preparation or last revision**16.1 Other information**

No data available.

16.2 Date of preparation/revision of the SDS

Current version	1.0.0	20.04.2020
Replaced version	1.0.0	19.04.2020

16.3 Department issuing safety data sheet

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16.4 Conclusions

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not, however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual

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relationship.

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Prod-ID 765113

16.5 Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists
ATE – Acute Toxicity Estimate
BOD - Biochemical Oxygen Demand
CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania
CAS - Chemical Abstracts Service
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
CFR - Code of Federal Regulations (US)
CLP - Classification, Labelling, and Packaging
DOT - Department of Transportation Commission
ECHA – European Chemicals Agency
EC / EL – Effective Concentration / Effective Loading
EPA - Environmental Protection Agency
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
IBC – Intermediate Bulk Container
ICAO - International Civil Aviation Organization
IDL - Ingredient Disclosure List
IDLH - Immediately Dangerous to Life and Health
IMDG - International Maritime Dangerous Goods
IUCLID - International Uniform Chemical Information Database
Kow - Octanol/water partition coefficient
LD/LC - Lethal Dose/ Lethal Concentration
MARPOL – Marine Pollution
MEL - Maximum Exposure Limits
NFPA - National Fire Protection Agency
NIOSH - National Institute for Occupational Safety and Health
NJTSR - New Jersey Trade Secret Registry
NOEL/NOEC – No Observed Effect Level / No Observed Effect Concentration
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PEL- Permissible Exposure Limit
RCRA - Resource Conservation and Recovery Act
SARA - Superfund Amendments and Reauthorization Act
STEL - Short-term Exposure Limit
STOT – Specific Target Organ Toxicity
TDG - Transportation of Dangerous Goods
TLV - Threshold Limit Value
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
UN/NA - United Nations /North American
US - United States
VLE - Exposure Limit Value (Mexico)
VOC – Volatile Organic Compounds