

Safety Data Sheet

ADESILEX LP

Safety Data Sheet dated: 12/02/2024 - version 11



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

1.1. Product identifier

Mixture identification:

Trade name: ADESILEX LP

Trade code: 900501

UFI: 0AM0-T0TU-K003-GW4R

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

Recommended use: Synthetic polymer based adhesive in organic solvents

Uses advised against: Data not available.

1.3. Details of the supplier of the safety data sheet

Company: MAPEI KFT - 2040. Budaörs Sport u. 2

phone: +36-23-501667 - fax: +36-23-501666 - www.mapei.hu (office hours)

Responsible: sicurezza@mapei.it

1.4. Emergency telephone number

Poison center number: Egészségügyi Toxikológiai Tájékoztató Szolgálat (ETTSZ)

1096. Bp., Nagyvárad tér 2 - Tel:+36- 06-1-4766464, +36-06-80-201199

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Flam. Liq. 2 Highly flammable liquid and vapour.

Eye Irrit. 2 Causes serious eye irritation.

Skin Sens. 1B May cause an allergic skin reaction.

STOT SE 3 May cause drowsiness or dizziness.

Aquatic Chronic 2 Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Regulation (EC) No 1272/2008 (CLP):

Hazard pictograms and Signal Word



Danger

Hazard statements

H225 Highly flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

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

P273 Avoid release to the environment.

P280 Wear protective gloves/clothing and eye/face protection.

P370+P378 In case of fire, use a CO2 fire extinguisher to extinguish.

P391 Collect spillage.

P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

Hydrocarbons, C6-C7, isoalkanes, cyclics,
<5% n-hexane

ethyl acetate

Rosin

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Not Relevant

3.2. Mixtures

Mixture identification: ADESILEX LP

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number	Material Properties
$\geq 50 - < 75$ %	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	EC:926-605-8	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336, EUH066	01-2119486291-36-XXXX	
$\geq 20 - < 25$ %	ethyl acetate	CAS:141-78-6 EC:205-500-4 Index:607-022-00-5	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	01-2119475103-46-XXXX	
$\geq 1 - < 2.5$ %		CAS:26022-00-4 EC:607-846-5	Skin Sens. 1, H317		
$\geq 1 - < 2.5$ %		CAS:59633-97-5 EC:polymer	Skin Sens. 1B, H317		
$\geq 1 - < 2.5$ %	Rosin	CAS:8050-09-7 EC:232-475-7 Index:650-015-00-7	Skin Sens. 1, H317	01-2119480418-32-XXXX	
$\geq 0.025 - < 0.05$ %	4,4'-isopropylidenediphenol	CAS:80-05-7 EC:201-245-8 Index:604-030-00-0	Repr. 1B, H360; STOT SE 3, H335; Eye Dam. 1, H318; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410, M-Chronic:10, M-Acute:1	01-2119457856-23-XXXX	SVHC
$\geq 0.0015 - < 0.005$ %	formaldehyde	CAS:50-00-0 EC:200-001-8 Index:605-001-00-5	Acute Tox. 3, H311 Acute Tox. 3, H331 Acute Tox. 3, H301 Skin Corr. 1B, H314 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1B, H350	01-2119488953-20-XXXX	
			Specific Concentration Limits: 0.2% \leq C < 100%: Skin Sens. 1 H317 5% \leq C < 25%: Skin Irrit. 2 H315 5% \leq C < 25%: Eye Irrit. 2 H319 5% \leq C < 100%: STOT SE 3 H335 25% \leq C < 100%: Skin Corr. 1B H314		

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

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

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Eye irritation

Eye damages

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(see paragraph 4.1)

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire, use a CO2 fire extinguisher to extinguish.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

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

Limit leakages with earth or sand.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

Retain contaminated washing water and dispose it.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
 Contaminated clothing should be changed before entering eating areas.
 Do not eat or drink while working.
 See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

7.2. Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.
 Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
 Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
 Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Community Occupational Exposure Limits (OEL)

	OEL Type	Country	Occupational Exposure Limit
ethyl acetate CAS: 141-78-6	SUVA		Long Term: 1400 mg/m ³ - 400 ppm; Short Term: 2800 mg/m ³ - 800 ppm
	National	SWEDEN	Long Term: 500 mg/m ³ - 150 ppm; Short Term: 1100 mg/m ³ - 300 ppm SWEDEN, Short-term value, 15 minutes average value
	National	FINLAND	Long Term: 1100 mg/m ³ - 300 ppm; Short Term: 1800 mg/m ³ - 500 ppm
	National	NORWAY	Long Term: 550 mg/m ³ - 150 ppm
	NDS		Long Term: 200 mg/m ³
	NDSCh		Long Term: 600 mg/m ³
	ACGIH		Long Term: 400 ppm URT and eye irr
	National	NORWAY	Long Term: 540 mg/m ³ - 150 ppm; Short Term: 1080 mg/m ³ - 300 ppm
	DFG	GERMANY	Short Term: Ceiling - 1500 mg/m ³ - 400 ppm
	ACGIH		Long Term: 400 ppm eye and upper respiratory tract irritation
	National	SWEDEN	Long Term: 500 mg/m ³ - 150 ppm
	National	FRANCE	Long Term: 1400 mg/m ³ - 400 ppm
	National	SPAIN	Long Term: 734 mg/m ³ - 200 ppm; Short Term: 1468 mg/m ³ - 400 ppm
	National	GREECE	Long Term: 734 mg/m ³ - 200 ppm; Short Term: 1468 mg/m ³ - 400 ppm
	National	DENMARK	Long Term: 540 mg/m ³ - 150 ppm
	National	FINLAND	Long Term: 730 mg/m ³ - 200 ppm; Short Term: 1470 mg/m ³ - 400 ppm
	National	GERMANY	Long Term: 730 mg/m ³ - 200 ppm
	National	PORTUGAL	Long Term: 400 ppm
	National	NORWAY	Long Term: 734 mg/m ³ - 200 ppm; Short Term: 917.5 mg/m ³ - 250 ppm
	National	BELGIUM	Long Term: 1461 mg/m ³ - 400 ppm
	NDS	POLAND	Long Term: 734 mg/m ³
	NDSCh	POLAND	Short Term: 1468 mg/m ³
	CHE	SWITZERLAN D	Short Term: 1460 mg/m ³ - 400 ppm
	NDS	NETHERLAND S	Long Term: 734 mg/m ³ ; Short Term: 1468 mg/m ³
	National	CZECH REPUBLIC	Long Term: 700 mg/m ³

	National HUNGARY	Long Term: 734 mg/m ³ ; Short Term: 1468 mg/m ³
	Malaysi a OEL	Long Term: 1440 mg/m ³ - 400 ppm
	National ESTONIA	Long Term: 500 mg/m ³ - 150 ppm; Short Term: 1100 mg/m ³ - 300 ppm
	National LATVIA	Long Term: 200 mg/m ³ - 54 ppm; Short Term: 1468 mg/m ³ - 400 ppm
	National CZECH REPUBLIC	Short Term: Ceiling - 900 mg/m ³
	National SLOVAKIA	Short Term: Ceiling - 1100 mg/m ³
	National SLOVAKIA	Long Term: 734 mg/m ³ - 200 ppm
	National SLOVENIA	Long Term: 1400 mg/m ³ - 400 ppm; Short Term: 1400 mg/m ³ - 400 ppm
	National UNITED KINGDOM	Long Term: 734 mg/m ³ - 200 ppm; Short Term: 1468 mg/m ³ - 400 ppm
	National BULGARIA	Long Term: 734 mg/m ³ - 200 ppm; Short Term: 1468 mg/m ³ - 400 ppm
	National ROMANIA	Long Term: 400 mg/m ³ - 111 ppm; Short Term: 500 mg/m ³ - 139 ppm
	National LITHUANIA	Long Term: 500 mg/m ³ - 150 ppm
	National LITHUANIA	Short Term: Ceiling - 1100 mg/m ³ - 300 ppm
	National CROATIA	Long Term: 734 mg/m ³ - 200 ppm; Short Term: 1468 mg/m ³ - 400 ppm
	National PORTUGAL	Long Term: 734 mg/m ³ - 200 ppm; Short Term: 1468 mg/m ³ - 400 ppm
	National BELGIUM	Long Term: 734 mg/m ³ - 200 ppm; Short Term: 1468 mg/m ³ - 400 ppm
	National SLOVENIA	Long Term: 734 mg/m ³ - 200 ppm; Short Term: 1468 mg/m ³ - 400 ppm
Rosin CAS: 8050-09-7	ACGIH	asthma;dermatitis;skin sensitization (listed under Rosin core solder thermal decomposition products);dermal sensitizer; respiratory sensitizer (listed under Rosin core solder thermal decomposition products)
	National FRANCE	Long Term: 0.1 mg/m ³
	National CZECH REPUBLIC	Long Term: 1 mg/m ³
	National LATVIA	Long Term: 4 mg/m ³
	National ROMANIA	Long Term: 0.1 mg/m ³
	National CROATIA	Long Term: 0.05 mg/m ³ ; Short Term: 0.15 mg/m ³
4,4'-isopropylidenediphenol CAS: 80-05-7	NDS	Long Term: 5 mg/m ³
	NDSCh	Long Term: 10 mg/m ³
	EU	Long Term: 10 mg/m ³ inhalable aerosol
	National FINLAND	Long Term: 5 mg/m ³
	National NORWAY	Long Term: 10 mg/m ³ A: Provoking allergic reactions or other hypersensitivity in the eyes or respiratory organs, or in contact with skin. R: To be treated as harmful to reproduction
	DFG GERMANY	Short Term: Ceiling - 5 mg/m ³
	National SWEDEN	Long Term: 2 mg/m ³
	National FRANCE	Long Term: 10 mg/m ³
	National SPAIN	Long Term: 2 mg/m ³
	National GREECE	Long Term: 2 mg/m ³
	National DENMARK	Long Term: 2 mg/m ³
	National FINLAND	Long Term: 2 mg/m ³
	National GERMANY	Long Term: 5 mg/m ³
	National PORTUGAL	Long Term: 10 mg/m ³
	National NORWAY	Long Term: 2 mg/m ³ ; Short Term: 4 mg/m ³
	National BELGIUM	Long Term: 10 mg/m ³
	NDS POLAND	Long Term: 2 mg/m ³
	CHE SWITZERLAN D	Short Term: 5 mg/m ³
	NDS NETHERLAND S	Long Term: 2 mg/m ³

formaldehyde
CAS: 50-00-0

National CZECH REPUBLIC	Long Term: 2 mg/m3
National HUNGARY	Long Term: 2 mg/m3
National ESTONIA	Long Term: 10 mg/m3
National LATVIA	Long Term: 2 mg/m3
National CZECH REPUBLIC	Short Term: Ceiling - 5 mg/m3
National SLOVAKIA	Long Term: 2 mg/m3
National SLOVENIA	Long Term: 5 mg/m3; Short Term: 5 mg/m3
National UNITED KINGDOM	Long Term: 2 mg/m3; Short Term: 6 mg/m3
National BULGARIA	Long Term: 2 mg/m3
National ROMANIA	Long Term: 2 mg/m3
TUR TURKEY	Long Term: 10 mg/m3
National LITHUANIA	Long Term: 10 mg/m3
National CROATIA	Long Term: 2 mg/m3
EU	Long Term: 10 mg/m3 Behaviour Indicative
National PORTUGAL	Long Term: 2 mg/m3
National BELGIUM	Long Term: 2 mg/m3
National SLOVENIA	Long Term: 2 mg/m3; Short Term: 2 mg/m3
ACGIH	Short Term: Ceiling - 0.3 ppm DSEN, RSEN, A2 - URT and eye irr
DFG GERMANY	Short Term: Ceiling - 0.74 mg/m3 - 0.6 ppm
ACGIH	Long Term: 0.1 ppm; Short Term: 0.3 ppm A1 - Confirmed Human Carcinogen; eye and upper respiratory tract irritation; upper respiratory tract cancer; dermal sensitizer; respiratory sensitizer
National SWEDEN	Long Term: 0.37 mg/m3 - 0.3 ppm
National FRANCE	Long Term: 0.5 ppm; Short Term: 1 ppm
National SPAIN	Long Term: 0.37 mg/m3 - 0.3 ppm; Short Term: 0.74 mg/m3 - 0.6 ppm
National GREECE	Long Term: 2.5 mg/m3 - 2 ppm; Short Term: 2.5 mg/m3 - 2 ppm
National DENMARK	Short Term: Ceiling - 0.4 mg/m3 - 0.3 ppm
National FINLAND	Long Term: 0.37 mg/m3 - 0.3 ppm
National FINLAND	Short Term: Ceiling - 1.2 mg/m3 - 1 ppm
National GERMANY	Long Term: 0.37 mg/m3 - 0.3 ppm
National NORWAY	Long Term: 0.6 mg/m3 - 0.5 ppm
National NORWAY	Short Term: Ceiling - 1.2 mg/m3 - 1 ppm
NDS POLAND	Long Term: 0.37 mg/m3
NDSch POLAND	Short Term: 0.74 mg/m3
CHE SWITZERLAND	Short Term: 0.74 mg/m3 - 0.6 ppm
NDS NETHERLANDS	Long Term: 0.15 mg/m3; Short Term: 0.5 mg/m3
National CZECH REPUBLIC	Long Term: 0.5 mg/m3
National HUNGARY	Long Term: 0.6 mg/m3; Short Term: 0.6 mg/m3
Malaysia OEL	Short Term: Ceiling - 0.37 mg/m3 - 0.3 ppm
National PORTUGAL	Short Term: Ceiling - 0.3 ppm
National ESTONIA	Long Term: 0.6 mg/m3 - 0.5 ppm; Short Term: 1.2 mg/m3 - 1 ppm
National LATVIA	Long Term: 0.5 mg/m3
National CZECH REPUBLIC	Short Term: Ceiling - 1 mg/m3
National SLOVAKIA	Short Term: Ceiling - 0.74 mg/m3

National SLOVAKIA	Long Term: 0.37 mg/m ³ - 0.3 ppm
National SLOVENIA	Long Term: 0.62 mg/m ³ - 0.5 ppm; Short Term: 0.62 mg/m ³ - 0.5 ppm
National UNITED KINGDOM	Long Term: 2.5 mg/m ³ - 2 ppm; Short Term: 2.5 mg/m ³ - 2 ppm
National BULGARIA	Long Term: 1 mg/m ³ ; Short Term: 2 mg/m ³
National ROMANIA	Long Term: 1.2 mg/m ³ - 1 ppm; Short Term: 3 mg/m ³ - 2 ppm
National LITHUANIA	Long Term: 0.6 mg/m ³ - 0.5 ppm
National LITHUANIA	Short Term: Ceiling - 1.2 mg/m ³ - 1 ppm
National CROATIA	Long Term: 2.5 mg/m ³ - 2 ppm; Short Term: 2.5 mg/m ³ - 2 ppm
EU	Long Term: 0.37 mg/m ³ - 0.3 ppm Behaviour Binding

Predicted No Effect Concentration (PNEC) values

ethyl acetate
CAS: 141-78-6

Exposure Route: Fresh Water; PNEC Limit: 0.26 mg/l
Remark: PNEC

Exposure Route: Marine water; PNEC Limit: 0.026 mg/l
Remark: PNEC

Exposure Route: Intermittent release; PNEC Limit: 1.65 mg/l
Remark: PNEC

Exposure Route: Freshwater sediments; PNEC Limit: 1.25 mg/kg
Remark: PNEC

Exposure Route: Marine water sediments; PNEC Limit: 0.125 mg/kg
Remark: PNEC

Exposure Route: Soil; PNEC Limit: 0.24 mg/kg
Remark: PNEC

Exposure Route: Oral; PNEC Limit: 200 mg/kg
Remark: PNEC

4,4'-isopropylidenediphenol
CAS: 80-05-7

Exposure Route: Fresh Water; PNEC Limit: 0.018 mg/l

Exposure Route: Marine water; PNEC Limit: 0.016 mg/l

Exposure Route: Soil; PNEC Limit: 3.7 mg/kg

formaldehyde
CAS: 50-00-0

Exposure Route: Fresh Water; PNEC Limit: 0.47 mg/l

Exposure Route: Marine water; PNEC Limit: 0.47 mg/l

Exposure Route: Intermittent release; PNEC Limit: 4.7 mg/l

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 0.19 mg/l

Exposure Route: Freshwater sediments; PNEC Limit: 2.44 mg/kg

Exposure Route: Marine water sediments; PNEC Limit: 2.44 mg/kg

Exposure Route: Soil; PNEC Limit: 0.21 mg/kg

Derived No Effect Level (DNEL) values

ethyl acetate
CAS: 141-78-6

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects
Worker Professional: 1468 mg/m³
Remark: DNEL

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 4.5 mg/kg
Remark: DNEL

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects
Consumer: 367 mg/m³
Remark: DNEL

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects
Worker Professional: 1468 mg/m³
Remark: DNEL

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Professional: 63 mg/kg
Remark: DNEL

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Professional: 734 mg/m³
Remark: DNEL

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects
Worker Professional: 734 mg/m³
Remark: DNEL

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects
Consumer: 734 mg/m³
Remark: DNEL

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects
Consumer: 734 mg/m³
Remark: DNEL

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Consumer: 37 mg/kg
Remark: DNEL

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Consumer: 367 mg/m³
Remark: DNEL

4,4'-
isopropylidenediphenol
CAS: 80-05-7

Exposure Route: Human Dermal; Exposure Frequency: Short Term, systemic effects
Worker Professional: 1.4 mg/kg; Consumer: 0.7 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects
Worker Professional: 10 mg/m³; Consumer: 5 mg/m³

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Professional: 1.4 mg/kg; Consumer: 0.7 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Professional: 10 mg/m³; Consumer: 0.25 mg/m³

Exposure Route: Human Oral; Exposure Frequency: Short Term, systemic effects
Consumer: 0.05 mg/kg

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 0.05 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects
Consumer: 5 mg/m³

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects
Consumer: 5 mg/m³

formaldehyde
CAS: 50-00-0

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects
Worker Industry: 1 mg/m³

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 240 mg/kg; Consumer: 102 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Industry: 9 mg/m³; Consumer: 3.2 mg/m³

Exposure Route: Human Dermal; Exposure Frequency: Long Term, local effects
Worker Industry: 0.037 mg/cm²; Consumer: 0.012 mg/cm²

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects
Worker Industry: 0.5 mg/m³; Consumer: 0.1 mg/m³

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 4.1 mg/kg

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; EN ISO 374:

Polychloroprene - CR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Nitrile rubber - NBR: thickness $\geq 0,35\text{mm}$; breakthrough time $\geq 480\text{min}$.

Butyl rubber - IIR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Fluorinated rubber - FKM: thickness $\geq 0,4\text{mm}$; breakthrough time $\geq 480\text{min}$.

Neoprene gloves are suggested (0,5 mm) not recommended gloves: not waterproof gloves

Respiratory protection:

Personal Protective Equipment should comply with relevant CE standards (as EN ISO 374 for gloves and EN ISO 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to appropriate EN standards, like EN 136, 140, 143, 149, 14387 for information on selection and use of appropriate respiratory protection equipment.

In case of insufficient ventilation use mask with ABEKP filters (EN 14387).

Use adequate protective respiratory equipment.

Hygienic and Technical measures

Not available

Appropriate engineering controls:

Not available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Appearance: liquid

Colour: Yellow

Odour: Characteristic

Odour threshold: Not available

Melting point / freezing point: Not available

Initial boiling point and boiling range: 77 °C (171 °F)

Flammability: The product is classified Flam. Liq. 2 H225

Lower and upper explosion limit: Not available

Flash point: -20 °C (-4 °F)

Auto-ignition temperature: Not available

Decomposition temperature: Not available

pH: Not available

Viscosity: 2,700.00 mPA-s

Kinematic viscosity: $> 20,5 \text{ mm}^2/\text{sec}$ (40 °C) mm^2/s

Solubility in water: Insoluble

Solubility in oil: soluble

Partition coefficient (n-octanol/water): Not available

Vapour pressure: 22.70

Relative density: 0.85 g/cm^3

Vapour density: ==

Particle characteristics:

Particle size: Not available

9.2. Other information

Miscibility: Not available

Conductivity: Not available

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information of the Preparation

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified
	Based on available data, the classification criteria are not met
c) serious eye damage/irritation	The product is classified: Eye Irrit. 2(H319)
d) respiratory or skin sensitisation	The product is classified: Skin Sens. 1B(H317)
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	The product is classified: STOT SE 3(H336)
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

ethyl acetate	a) acute toxicity	LC50 Inhalation Rat = 1600 mg/l LD50 Oral Rabbit = 4935 mg/kg LD50 Oral Rat = 11.3 g/kg LD50 Skin Rabbit > 20000 mg/kg LD50 Oral Mouse = 4100 mg/kg LC50 Inhalation Rat = 4000 ppm 4h
Rosin	a) acute toxicity	LD50 Oral Rat = 7600 mg/kg LD50 Skin Rabbit > 2500 mg/kg LC50 Inhalation Rat = 1.5 mg/l 4h
4,4'-isopropylidenediphenol	a) acute toxicity	LD50 Skin Rat = 3000 LC50 Inhalation Rat > 170 mg/m ³ 6h LD50 Oral Rat > 2000 mg/kg
formaldehyde	a) acute toxicity	LD50 Oral Rat = 700 mg/kg LC50 Inhalation Rat = 0.578 mg/l LD50 Skin Rabbit = 270 mg/kg LD50 Skin Rabbit = 270 mg/kg LC50 Inhalation Rat = 0.578 mg/l 4h LD50 Oral Rat = 100 mg/kg

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

List of Eco-Toxicological properties of the product

The product is classified: Aquatic Chronic 2(H411)

List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
ethyl acetate	CAS: 141-78-6 - EINECS: 205- 500-4 - INDEX: 607-022-00-5	a) Aquatic acute toxicity : LC50 Algae = 3300 mg/L 48 a) Aquatic acute toxicity : LC50 Fish = 230 mg/L 96 b) Aquatic chronic toxicity : LC50 Algae = 5600 mg/L 48 a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 220 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 484 mg/L 96h IUCLID a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 560 mg/L 48h EPA
Rosin	CAS: 8050-09-7 - EINECS: 232- 475-7 - INDEX: 650-015-00-7	a) Aquatic acute toxicity : EC50 Algae Desmodesmus subspicatus = 400 mg/L 72h IUCLID
4,4'-isopropylidenediphenol	CAS: 80-05-7 - EINECS: 201- 245-8 - INDEX: 604-030-00-0	a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna 3.8 mg/L 48h IUCLID a) Aquatic acute toxicity : LC50 Fish = 4.6 mg/L 96 a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 4 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 4 mg/L 96h IUCLID a) Aquatic acute toxicity : LC50 Fish Brachydanio rerio = 9.9 mg/L 96h IUCLID a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 10.2 mg/L 48h IUCLID a) Aquatic acute toxicity : EC50 Algae Pseudokirchneriella subcapitata = 2.5 mg/L 96h IUCLID
formaldehyde	CAS: 50-00-0 - EINECS: 200- 001-8 - INDEX: 605-001-00-5	a) Aquatic acute toxicity : LC50 Fish = 41 mg/L 96 a) Aquatic acute toxicity : EC50 Daphnia = 42 mg/L 24 a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 22.6 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 1510 µg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Brachydanio rerio = 41 mg/L 96h IUCLID a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 0.032 mL/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 100 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 23.2 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Daphnia Daphnia magna = 2 mg/L 48h IUCLID a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna 11.3 mg/L 48h EPA

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration $\geq 0.1\%$

12.7. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

A waste code (EWC) according to European List of Waste (LoW) cannot be specified, due to dependence on the usage. Contact and send to an authorized waste disposal service.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Hazardous waste: Yes

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

SECTION 14: Transport information

14.1. UN number or ID number

1133

14.2. UN proper shipping name

ADR-Shipping Name: ADHESIVES containing flammable liquid (vapour pressure at 50 °C not more than 110 kPa) (aliphatic hydrocarbons)

IATA-Technical name: ADHESIVES containing flammable liquid (aliphatic hydrocarbons)

IMDG-Technical name: ADHESIVES containing flammable liquid (aliphatic hydrocarbons)

14.3. Transport hazard class(es)

ADR-Class: 3

IATA-Class: 3

IMDG-Class: 3

14.4. Packing group

ADR-Packing Group: II

IATA-Packing group: II

IMDG-Packing group: II

14.5. Environmental hazards

Marine pollutant: Yes

Environmental Pollutant: Yes

IMDG-EMS: F-E, S-D

14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR exempt: No

ADR-Label: 3

ADR-Hazard identification number: 33

ADR-Special Provisions: 640D

ADR-Transport category (Tunnel restriction code): 2 (D/E)

ADR-Limited Quantity threshold: 5 L

Air (IATA):

IATA-Passenger Aircraft: 353

IATA-Cargo Aircraft: 364

IATA-Label: 3

IATA-Subsidiary hazards: -

IATA-Erg: 3L

IATA-Special Provisions: A3

Sea (IMDG):

IMDG-Stowage Code: Category B

IMDG-Stowage Note: -

IMDG-Subsidiary hazards: -

IMDG-Special Provisions: -

IMDG-EMS: F-E, S-D

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

VOC (2004/42/EC) : N.A. g/l

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EU) n. 2020/878

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2021/849 (ATP 17 CLP)

Regulation (EU) n. 2022/692 (ATP 18 CLP)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1	Lower-tier threshold (tonnes)	Upper-tier threshold (tonnes)
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Product belongs to category: P5c	5000	50000
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Product belongs to category: E2	200	500
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Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3, 40

Restrictions related to the substances contained: 28, 30, 66, 72, 75

SVHC Substances:

Substances in candidate list (Art. 59 Reg. 1907/2006, REACH):

Component	Ident. Numb.	Quantity	Material Properties
4,4'-isopropylidenediphenol	CAS: 80-05-7	>=0.025 - <0.05 %	SVHC
	EINECS: 201-245-8		Repr. Cat. 3.7/1B;
	Index: 604-030-00-0		

National regulations

MAL-kode: 5-3

Lagerklasse (TRGS-510): 3 - Flammable liquids

German Water Hazard Class.

2

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Code	Description
EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H360	May damage fertility or the unborn child in contact with skin and if swallowed.
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.

Code	Hazard class and hazard category	Description
2.6/2	Flam. Liq. 2	Flammable liquid, Category 2
3.1/3/Dermal	Acute Tox. 3	Acute toxicity (dermal), Category 3
3.1/3/Inhal	Acute Tox. 3	Acute toxicity (inhalation), Category 3
3.1/3/Oral	Acute Tox. 3	Acute toxicity (oral), Category 3
3.10/1	Asp. Tox. 1	Aspiration hazard, Category 1
3.2/1B	Skin Corr. 1B	Skin corrosion, Category 1B
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/1	Eye Dam. 1	Serious eye damage, Category 1
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.4.2/1	Skin Sens. 1	Skin Sensitisation, Category 1
3.4.2/1B	Skin Sens. 1B	Skin Sensitisation, Category 1B
3.5/2	Muta. 2	Germ cell mutagenicity, Category 2
3.6/1B	Carc. 1B	Carcinogenicity, Category 1B
3.7/1B	Repr. 1B	Reproductive toxicity, Category 1B
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3
4.1/A1	Aquatic Acute 1	Acute aquatic hazard, category 1
4.1/C1	Aquatic Chronic 1	Chronic (long term) aquatic hazard, category 1
4.1/C2	Aquatic Chronic 2	Chronic (long term) aquatic hazard, category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 2, H225	On basis of test data
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1B, H317	Calculation method
STOT SE 3, H336	Calculation method
Aquatic Chronic 2, H411	Calculation method

If appropriate, specific provisions in relation to possible training for workers are mentioned in section 2. Any training related to safety in the workplace must in any case refer to a risk assessment that must be carried out by a company safety officer taking into account the specific operating and environmental conditions in which the products are used.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

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

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

KAFH: KAFH

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LDLo: Leathal Dose Low

N.A.: Not Applicable

N/A: Not Applicable

N/D: Not defined/ Not available

NA: Not available

NIOSH: National Institute for Occupational Safety and Health

NOAEL: No Observed Adverse Effect Level

OSHA: Occupational Safety and Health Administration

PBT: Persistent, Bioaccumulative and Toxic

PGK: Packaging Instruction

PNEC: Predicted No Effect Concentration.

PSG: Passengers

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

vPvB: Very Persistent, Very Bioaccumulative.

WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 4: First aid measures
- SECTION 5: Firefighting measures
- SECTION 6: Accidental release measures
- SECTION 7: Handling and storage
- SECTION 8: Exposure controls/personal protection
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 14: Transport information
- SECTION 15: Regulatory information
- SECTION 16: Other information