



Safety data sheet

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

Product name

PARKETOLIT 1554A

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Relevant identified uses

Adhesive for wood flooring - component A

Uses advised against

No information.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Manufacturer

MITOL, tovarna lepil, d.o.o., Sežana
Partizanska c. 78
6210 Sežana, Slovenia
+386 5 73 12 300 (8:00-16:00)
lilijana.kocjan@mitol.si

1.4 EMERGENCY TELEPHONE NUMBER

Emergency

112

Manufacturer

+386 5 73 12 300 (8:00-16:00)



<https://my.chemius.net/p/IBTNek/en/pd/en>

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification according to Regulation (EC) No 1272/2008 (CLP)

Skin Irrit. 2; H315 Causes skin irritation.
Skin Sens. 1A; H317 May cause an allergic skin reaction.
Eye Dam. 1; H318 Causes serious eye damage.
Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

2.2 LABEL ELEMENTS

Labelling according to Regulation (EC) No 1272/2008 [CLP]



Signal word: DANGER

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.
P102 Keep out of reach of children.
P273 Avoid release to the environment.
P280 Wear protective gloves/eye protection/face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P501 Dispose of contents/container in accordance with national regulation.

Contains:

blocked polyisocyanate
Cashew, nutshell liq.

2.3 OTHER HAZARDS

PBT/vPvB

No information.

Endocrine disrupting properties

No information.

Additional information

No information.



Safety data sheet

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES

For mixtures see 3.2.

3.2 MIXTURES

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	Notes for substances
blocked polyisocyanate	2155840-39-2 - -	5-10	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Irrit. 2; H315 Skin Sens. 1A; H317 Eye Dam. 1; H318	/	/
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	25068-38-6 500-033-5 603-074-00-8 01-2119456619-26	5-10	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	Skin Irrit. 2; H315; C ≥ 5% Eye Irrit. 2; H319; C ≥ 5%	/
hydrocarbons, C11-C12, isoalkanes, <2% aromatics	- 918-167-1 - 01-2119472146-39	1-2,5	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Aquatic Chronic 4; H413 EUH066	/	/
hydrocarbons, C11-C13, isoalkanes, <2% aromatics	- 920-901-0 - 01-2119456810-40	1-2,5	Asp. Tox. 1; H304 EUH066	/	/
Cashew, nutshell liq.	8007-24-7 - -	0,1-<1	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Irrit. 2; H315 Skin Sens. 1A; H317 Eye Dam. 1; H318	/	/

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

General notes

When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician.

Following inhalation

Remove patient to fresh air - move out of dangerous area. If symptoms occur, seek medical advice.

Following skin contact

Take off all contaminated clothing. Wash affected skin areas immediately with plenty of water and soap. If symptoms occur, seek medical attention.



Safety data sheet

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. If irritation does not stop, seek professional medical treatment!

Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. Rinse mouth with water and drink 2-3 dl water in sips. Consult a physician. Show the physician the safety data sheet or label.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Following inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

Following skin contact

Itching, redness, pain. May cause sensitisation by skin contact (symptoms: itching, redness, rashes).

Following eye contact

On contact with eyes causes serious damage. Discomfort or pain, excessive blinking, lacrimation and redness, swelling of the conjunctiva.

Following ingestion

Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area. May cause nausea/vomiting and diarrhea. May cause abdominal discomfort.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No information.

SECTION 5: FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

Unsuitable extinguishing media

No information.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Hazardous combustion products

In the event of fire the following can be generated: carbon monoxide (CO), carbon dioxide (CO₂).

5.3 ADVICE FOR FIREFIGHTERS

Protective actions

In case of fire evacuate the area. In case of fire or heating do not breathe fumes/vapours. Cool containers at risk with water spray. If possible remove containers from endangered area.

Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

Additional information

Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For non-emergency personnel

Protective equipment

Use personal protective equipment (Section 8).

Precautionary measures

Ensure adequate ventilation.

Emergency procedures

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Do not breathe vapour or mist. Avoid contact with skin and eyes. Evacuate the danger zone.

For emergency responders

Use personal protective equipment.

6.2 ENVIRONMENTAL PRECAUTIONS

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

For containment

Contain spillages with non-combustible absorbents, e.g. sand, earth, vermiculite, diatomaceous earth.

For cleaning up



Safety data sheet

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Clean contaminated area with water and detergent.

OTHER INFORMATION

No information.

6.4 REFERENCE TO OTHER SECTIONS

See also sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Protective measures

Measures to prevent fire

Ensure adequate ventilation.

Measures to prevent aerosol and dust generation

No information.

Measures to protect the environment

No information.

Other measures

No information.

Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin and eyes. Do not breathe vapours/mist.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Technical measures and storage conditions

Store in accordance with local regulations. Keep in cool and well ventilated area. Keep away from food, drink and animal feeding stuffs. Keep in well closed containers. Keep away from moisture and water. Storage temperature: +5 - 25 ° C.

Packaging materials

Store only in original container.

Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking.

Storage class

No information.

Further information on storage conditions

No information.

7.3 SPECIFIC END USE(S)

Recommendations

No information.

Industrial sector specific solutions

No information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Occupational Exposure limit values

No information.

Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

DNEL/DMEL values

For product

No information.

For components



Safety data sheet

Name	Type	Exposure route	exp. frequency	Remark	value
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	Worker	dermal	short term systemic effects	/	8.3 mg/kg
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	Worker	inhalation	short term systemic effects	/	12.3 mg/m ³
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	Worker	dermal	long term systemic effects	repeated	8.3 mg/kg
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	Worker	inhalation	long term systemic effects	repeated	12.3 mg/m ³
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	Consumer	dermal	short term systemic effects	/	3.6 mg/kg
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	Consumer	inhalation	short term systemic effects	/	0.75 mg/m ³



Safety data sheet

Name	Type	Exposure route	exp. frequency	Remark	value
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	Consumer	oral	short term systemic effects	/	0.75 mg/kg
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	Consumer	dermal	long term systemic effects	repeated	3.6 mg/kg
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	Consumer	inhalation	long term systemic effects	repeated	0.75 mg/m ³
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	Consumer	oral	long term systemic effects	repeated	0.75 mg/kg

PNEC values

For product

No information.

For components

Name	Exposure route	Remark	value
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	fresh water	/	0.006 mg/L
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	marine water	/	0.0006 mg/L
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	fresh water sediment	/	0.0005 mg/L



Safety data sheet

Name	Exposure route	Remark	value
reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight \leq 700)	marine water sediment	/	0.00627 mg/kg
reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight \leq 700)	water treatment plant	/	10 mg/L
reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight \leq 700)	soil	/	0.0478 mg/kg

8.2 EXPOSURE CONTROLS

Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with eyes and skin. Do not breathe vapours/aerosols. Avoid contact with skin, eyes and clothes.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

No information.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration.

Personal protective equipment

Eye and face protection

Safety glasses with side protection (EN 166).

Hand protection

Protective gloves (EN 374). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately.

Appropriate materials

Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345).

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Protective masks (BS EN 136) or half masks (BS EN 140) with filter A (BS EN 14387).

Thermal hazards

No information.

Environmental exposure controls

Substance/mixture related measures to prevent exposure

No information.

Instruction measures to prevent exposure

No information.

Organisational measures to prevent exposure

No information.

Technical measures to prevent exposure

No information.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state

liquid

Colour



Safety data sheet

No information.

Odour

mild

Important health, safety and environmental information

Odour threshold	No information.
Melting point/Freezing point	No information.
Boiling point or initial boiling point and boiling range	No information.
Flammability	No information.
Lower and upper explosion limit	No information.
Flash point	No information.
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	No information.
Viscosity	No information.
Solubility	No information.
Partition coefficient	No information.
Vapour pressure	No information.
Density and/or relative density	No information.
Relative vapour density	No information.
Particle characteristics	No information.

9.2 OTHER INFORMATION

Explosive properties	No information.
-----------------------------	-----------------

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

No information.

10.2 CHEMICAL STABILITY

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No information.

10.4 CONDITIONS TO AVOID

No special precautions required. Consider the directions for use and storage.

10.5 INCOMPATIBLE MATERIALS

Strong oxidising agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008

(a) Acute toxicity

For components



Safety data sheet

Name	Exposure route	Type	Species	Time	value	Method	Remark
reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	oral	LD ₅₀	rat	/	15000 mg/kg	/	/
reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	dermal	LD ₅₀	rabbit	/	> 23000 mg/kg	/	/
hydrocarbons, C11-C12, isoalkanes, <2% aromatics	oral	LD ₅₀	rat	/	> 5000 mg/kg	OECD 401 OECD 401	/
hydrocarbons, C11-C12, isoalkanes, <2% aromatics	dermal	LD ₅₀	rabbit	/	> 5000 mg/kg	OECD 402	/
hydrocarbons, C11-C13, isoalkanes, <2% aromatics	oral	LD ₅₀	rat	/	> 5000 mg/kg	OECD 401 OECD 401	/
hydrocarbons, C11-C13, isoalkanes, <2% aromatics	inhalation (vapours)	LC ₅₀	rat	8 h	> 5000 mg/l	/	/
hydrocarbons, C11-C13, isoalkanes, <2% aromatics	dermal	LD ₅₀	rabbit	/	> 5000 mg/kg	OECD 402	/



Safety data sheet

(b) Skin corrosion/irritation

For components

Name	Species	Time	result	Method	Remark
blocked polyisocyanate	rabbit	/	Irritating.	/	/
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	/	/	Irritating.	/	/
Cashew, nutshell liq.	rabbit	/	Irritating.	/	/

Additional information

Causes skin and eye irritation.

(c) Serious eye damage/irritation

For components

Name	Exposure route	Species	Time	result	Method	Remark
blocked polyisocyanate	/	rabbit	/	Corrosive.	OECD 405	/
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	/	/	/	Irritating.	/	/
Cashew, nutshell liq.	/	rabbit	/	Corrosive.	OECD 405	/

Additional information

Causes serious eye damage.

(d) Respiratory or skin sensitisation

For components

Name	Exposure route	Species	Time	result	Method	Remark
blocked polyisocyanate	dermal	guinea pig	/	Sensitizing.	OECD 406	/
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	dermal	/	/	May cause sensitisation by skin contact.	/	/



Safety data sheet

Name	Exposure route	Species	Time	result	Method	Remark
Cashew, nutshell liq.	dermal	guinea pig	/	Sensitizing.	OECD 406	/

Additional information

May cause an allergic skin reaction.

(e) (Germ cell) mutagenicity

For components

Name	Type	Species	Time	result	Method	Remark
blocked polyisocyanate	in-vitro mutagenicity	Human (lymphocytes)	/	Negative.	OECD 473	/
blocked polyisocyanate	in-vitro mutagenicity	Salmonella typhimurium	/	Negative.	OECD 471	Ames test
blocked polyisocyanate	in-vitro mutagenicity	Cell: Mammalian-Animal	/	Negative.	OECD 476	/
Cashew, nutshell liq.	in-vitro mutagenicity	Human (lymphocytes)	/	Negative.	OECD 473	/
Cashew, nutshell liq.	in-vitro mutagenicity	Salmonella typhimurium	/	Negative.	OECD 471	Ames test
Cashew, nutshell liq.	in-vitro mutagenicity	Cell: Mammalian-Animal	/	Negative.	OECD 476	/

(f) Carcinogenicity

No information.

(g) Reproductive toxicity

For components

Name	Reproductive toxicity type	NOAEL	Species	Time	value	result	Method	Remark
blocked polyisocyanate	Effects on fertility	NOAEL (P)	rat	54 days	150 mg/kg	/	OECD 422	/
blocked polyisocyanate	Effects on fertility	NOAEL (F1)	rat	54 days	1000 mg/kg	/	OECD 422	/
blocked polyisocyanate	Maternal toxicity	NOAEL	rat	54 days	150 mg/kg	/	OECD 422	/
blocked polyisocyanate	Developmental toxicity	NOAEL	rat	54 days	1000 mg/kg	/	OECD 422	/
Cashew, nutshell liq.	Effects on fertility	NOAEL (P)	rat	54 days	150 mg/kg	/	OECD 422	/
Cashew, nutshell liq.	Effects on fertility	NOAEL (F1)	rat	54 days	1000 mg/kg	/	OECD 422	/



Safety data sheet

Name	Reproductive toxicity type	Type	Species	Time	value	result	Method	Remark
Cashew, nutshell liq.	Maternal toxicity	NOAEL	rat	54 days	150 mg/kg	/	OECD 422	/
Cashew, nutshell liq.	Developmental toxicity	NOAEL	rat	54 days	1000 mg/kg	/	OECD 422	/

Summary of evaluation of the CMR properties

No information.

(h) STOT-single exposure

No information.

(i) STOT-repeated exposure

For components

Name	Exposure route	Type	Species	Time	Exposure organ	value	result	Method	Remark
blocked polyisocyanate	oral	NOAEL	rat	54 days	/	150 mg/kg	/	OECD 422	/
Cashew, nutshell liq.	oral	NOAEL	rat	54 days	/	150 mg/kg	/	OECD 422	/

(j) Aspiration hazard

No information.

Symptoms related to the physical, chemical and toxicological characteristics

No information.

Interactive effects

No information.

11.2 INFORMATION ON OTHER HAZARDS

Endocrine disrupting properties

No information.

Other information

No information.

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

Acute (short-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
blocked polyisocyanate	LL50	> 1000 mg/L	96 h	fish	<i>Cyprinodon variegatus</i>	OECD 203	/
blocked polyisocyanate	LL ₅₀	> 1000 mg/L	48 h	Daphnia	<i>Acartia tonsa</i>	/	/
blocked polyisocyanate	EL ₅₀	250 mg/L	72 h	algae	<i>Skeletonema costatum</i>	/	ISO 10253



Safety data sheet

Name	Type	value	Exposure time	Species	organism	Method	Remark
blocked polyisocyanate	EC ₅₀	> 1000 mg/L	3 h	bacteria	Activated sludge	OECD 209	/
reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	EC ₅₀	1.8 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	EC ₅₀	11 mg/L	72 h	algae	<i>Selenastrum capricornutum</i>	/	/
reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	LC ₅₀	2 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	EC ₅₀	> 42.6 mg/L	8 h	bacteria	/	/	/



Safety data sheet

Name	Type	value	Exposure time	Species	organism	Method	Remark
hydrocarbons, C11-C12, isoalkanes, <2% aromatics	LL ₀	1000 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
hydrocarbons, C11-C12, isoalkanes, <2% aromatics	EL ₀	1000 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
hydrocarbons, C11-C12, isoalkanes, <2% aromatics	EL ₀	1000 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	/	/
hydrocarbons, C11-C12, isoalkanes, <2% aromatics	NOELR	1000 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	/	/
hydrocarbons, C11-C13, isoalkanes, <2% aromatics	LL ₀	1000 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
hydrocarbons, C11-C13, isoalkanes, <2% aromatics	EL ₀	1000 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
hydrocarbons, C11-C13, isoalkanes, <2% aromatics	EL ₀	1000 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	/	/
hydrocarbons, C11-C13, isoalkanes, <2% aromatics	NOELR	1000 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	/	/
Cashew, nutshell liq.	LL50	> 1000 mg/L	96 h	fish	<i>Cyprinodon variegatus</i>	OECD 203	/
Cashew, nutshell liq.	LL ₅₀	> 1000 mg/L	48 h	Daphnia	<i>Acartia tonsa</i>	/	/



Safety data sheet

Name	Type	value	Exposure time	Species	organism	Method	Remark
Cashew, nutshell liq.	EL ₅₀	250 mg/L	72 h	algae	<i>Skeletonema / costatum</i>		ISO 10253
Cashew, nutshell liq.	EC ₅₀	> 1000 mg/L	3 h	bacteria	Activated sludge	OECD 209	/

Chronic (long-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	NOEC	0.3 mg/l	21 days	crustaceans	<i>Daphnia magna</i>	/	/

12.2 PERSISTENCE AND DEGRADABILITY

Abiotic degradation, physical- and photo-chemical elimination

No information.

Biodegradation

For components

Name	Type	Rate	Time	Evaluation	Method	Remark
blocked polyisocyanate	-	/	/	not readily biodegradable	/	/
reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	biodegradability	12 %	28 days	/	OECD 302 B/ISO 9888/EEC 92/69/V, C.9	/
hydrocarbons, C11-C12, isoalkanes, <2% aromatics	biodegradability	31.3 %	28 days	/	/	/
hydrocarbons, C11-C13, isoalkanes, <2% aromatics	biodegradability	31.3 %	28 days	/	/	/
Cashew, nutshell liq.	biodegradability	96 %	28 days	/	OECD 301 D	/

12.3 BIOACCUMULATIVE POTENTIAL



Safety data sheet

Partition coefficient

For components

Name	Media	value	Temperature °C	pH	Concentration	Method
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	Octanol-water (log Pow)	3.242	25	/	/	/

Bioconcentration factor (BCF)

For components

Name	Species	organism	value	Duration	Evaluation	Method	Remark
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	BCF	/	100 - 3000	/	/	/	/

12.4 MOBILITY IN SOIL

Known or predicted distribution to environmental compartments

No information.

Surface tension

No information.

Adsorption/Desorption

For components

Name	Type	Criterion	value	Evaluation	Method	Remark
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	Soil	log KOC	500 - 2000	/	/	/

12.5 RESULTS OF PBT AND VPVB ASSESSMENT

No evaluation.

12.6 ENDOCRINE DISRUPTING PROPERTIES

No information.

12.7 OTHER ADVERSE EFFECTS

No information.

12.8 ADDITIONAL INFORMATION

For product

Harmful to aquatic life with long lasting effects. Do not allow to reach ground water, water courses or sewage system.



Safety data sheet

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Product / Packaging disposal

Waste chemical

Dispose of in accordance with applicable waste disposal regulation. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

Waste codes / waste designations according to LoW

No information.

Packaging

Dispose of in accordance with applicable waste disposal regulation. Deliver completely emptied containers to approved waste disposal authorities.

Waste codes / waste designations according to LoW

No information.

Waste treatment-relevant information

No information.

Sewage disposal-relevant information

No information.

Other disposal recommendations

No information.

SECTION 14: TRANSPORT INFORMATION

ADR/RID	IMDG	IATA	ADN
14.1 UN number or ID number			
Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.
14.2 UN proper shipping name			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.3 Transport hazard class(es)			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.4 Packing group			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.5 Environmental hazards			
NO	NO	NO	NO
14.6 Special precautions for user			
Limited quantities Not given/not applicable	Limited quantities Not given/not applicable		Limited quantities Not given/not applicable
14.7 Maritime transport in bulk according to IMO instruments			
	Not given/not applicable		

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

not applicable

Regulation EC 648/2004 on detergents

No information.

Special instructions

No information.



Safety data sheet

15.2 CHEMICAL SAFETY ASSESSMENT

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION

Indication of changes

2.2 Label elements 3.2 Mixtures 8.2 Exposure controls 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 12.1 Toxicity 12.2 Persistence and degradability

Key literature references and sources for data

No information.

Abbreviations and acronyms



Safety data sheet

ATE - Acute Toxicity Estimate
 ADR - Agreement concerning the International Carriage of Dangerous Goods by Road
 ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 CEN - European Committee for Standardisation
 C&L - Classification and Labelling
 CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
 CAS# - Chemical Abstracts Service number
 CMR - Carcinogen, Mutagen, or Reproductive Toxicant
 CSA - Chemical Safety Assessment
 CSR - Chemical Safety Report
 DMEL - Derived Minimal Effect Level
 DNEL - Derived No Effect Level
 DPD - Dangerous Preparations Directive 1999/45/EC
 DSD - Dangerous Substances Directive 67/548/EEC
 DU - Downstream User
 EC - European Community
 ECHA - European Chemicals Agency
 EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
 EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
 EEC - European Economic Community
 EINECS - European Inventory of Existing Commercial Substances
 ELINCS - European List of notified Chemical Substances
 EN - European Standard
 EQS - Environmental Quality Standard
 EU - European Union
 Euphrac - European Phrase Catalogue
 EWC - European Waste Catalogue (replaced by LoW – see below)
 GES - Generic Exposure Scenario
 GHS - Globally Harmonized System
 IATA - International Air Transport Association
 ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
 IMDG - International Maritime Dangerous Goods
 IMSBC - International Maritime Solid Bulk Cargoes
 IT - Information Technology
 IUCLID - International Uniform Chemical Information Database
 IUPAC - International Union for Pure Applied Chemistry
 JRC - Joint Research Centre
 Kow - octanol-water partition coefficient
 LC50 - Lethal Concentration to 50 % of a test population
 LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
 LE - Legal Entity
 LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
 LR - Lead Registrant
 M/I - Manufacturer / Importer
 MS - Member States
 MSDS - Material Safety Data Sheet
 OC - Operational Conditions
 OECD - Organization for Economic Co-operation and Development
 OEL - Occupational Exposure Limit
 OJ - Official Journal
 OR - Only Representative
 OSHA - European Agency for Safety and Health at work
 PBT - Persistent, Bioaccumulative and Toxic substance
 PEC - Predicted Effect Concentration
 PNEC(s) - Predicted No Effect Concentration(s)
 PPE - Personal Protection Equipment
 (Q)SAR - Qualitative Structure Activity Relationship
 REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
 RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
 RIP - REACH Implementation Project
 RMM - Risk Management Measure
 SCBA - Self-Contained Breathing Apparatus
 SDS - Safety data sheet
 SIEF - Substance Information Exchange Forum
 SME - Small and Medium sized Enterprises
 STOT - Specific Target Organ Toxicity
 (STOT) RE - Repeated Exposure
 (STOT) SE - Single Exposure
 SVHC - Substances of Very High Concern
 UN - United Nations
 vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases



Safety data sheet

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.