

Safety Data Sheet

ERFURT-JuicyWalls Feuchtraum-System 2K-PU-BESCHICHTUNG COMP. B

Safety Data Sheet dated 17/03/2023

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

1.1. Product identifier

Mixture identification:

Trade name:ERFURT-JuicyWalls Feuchtraum-System **2K-PU-BESCHICHTUNG COMP.B**

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

Uses advised against:

1.3. Details of the supplier of the safety data sheet

Company:

ERFURT & SOHN KG

Hugo-Erfurt-Straße 1

42399 Wuppertal

Tel.: +49 202 6110 242

Fax-Nr.: +49 202 6110 89242

Competent person responsible for the safety data sheet: a.weissenbach@erfurt.com

1.4. Emergency telephone number


Ph. Giftnotrufzentrale Bonn +49 228 19240 (24h erreichbar)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

 Warning, Acute Tox. 4, Harmful if inhaled.

 Warning, Skin Sens. 1, May cause an allergic skin reaction.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H332 Harmful if inhaled.

H317 May cause an allergic skin reaction.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P312 Call a POISON CENTER/doctor/... if you feel unwell.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

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None

Contains

Hydrophilic aliphatic polyisocyanate based on HDI
Hexamethylene diisocyanate, product of oligomerisation
Homopolymer of hexamethylene-1,6-diisocyanate
Hexamethylene diisocyanate

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

N.A.

3.2. Mixtures

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

Qty	Name	Ident. Number	Classification
$\geq 7\%$ - $< 10\%$	Homopolymer of hexamethylene-1,6-diisocyanate	CAS: 28182-81-2 EC: 500-060-2	 3.1/4/Inhal Acute Tox. 4 H332  3.4.2/1 Skin Sens. 1 H317  3.8/3 STOT SE 3 H335
$\geq 1\%$ - $< 2.5\%$	Hydrophilic aliphatic polyisocyanate based on HDI	CAS: 666723-27-9	 3.1/3/Inhal Acute Tox. 3 H331  3.4.2/1 Skin Sens. 1 H317  3.8/3 STOT SE 3 H335 4.1/C3 Aquatic Chronic 3 H412
$\geq 1\%$ - $< 2.5\%$	Hexamethylene diisocyanate, product of oligomerisation	CAS: 28182-81-2 EC: 500-060-2	 3.1/3/Inhal Acute Tox. 3 H331  3.4.2/1 Skin Sens. 1 H317  3.8/3 STOT SE 3 H335
$\geq 0.25\%$ - $< 0.3\%$	Hexamethylene diisocyanate	Index number: 615-011-00-1 CAS: 822-06-0	 3.1/4/Oral Acute Tox. 4 H302  3.1/1/Inhal Acute Tox. 1 H330  3.2/2 Skin Irrit. 2 H315  3.3/2 Eye Irrit. 2 H319  3.4.1/1 Resp. Sens. 1 H334  3.4.2/1 Skin Sens. 1 H317  3.8/3 STOT SE 3 H335

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).

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Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

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

None

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:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO₂).

Jet of atomised water.

In case of fire, use a dry powder fire extinguisher to extinguish.

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

Extinguishing media which must not be used for safety reasons:

High pressure water jet.

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

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

Use Self-Contained Breathing Apparatus (SCBA) with chemical protection suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

6.2. Environmental precautions

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

Retain contaminated washing water and dispose it.

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

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

6.3. Methods and material for containment and cleaning up

For containment:

For cleaning up:

6.4. Reference to other sections

See also section 8 and 13

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

Use localized ventilation system.

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.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hexamethylene diisocyanate, product of oligomerisation - CAS: 28182-81-2

ACGIH - TWA(8h): 0.005 ppm

Hexamethylene diisocyanate - CAS: 822-06-0

ACGIH - TWA(8h): 0.005 ppm

DNEL Exposure Limit Values

Homopolymer of hexamethylene-1,6-diisocyanate - CAS: 28182-81-2

Worker Professional: 0.5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Professional: 1 mg/m³ - Exposure: Human Inhalation - Frequency: Acute local effects

PNEC Exposure Limit Values

Homopolymer of hexamethylene-1,6-diisocyanate - CAS: 28182-81-2

Target: Fresh Water - Value: 0.1 mg/l

Target: Marine water - Value: 0.01 mg/l

Target: Freshwater sediments - Value: 2530 mg/kg

Target: Marine water sediments - Value: 253 mg/kg

Target: Soil - Value: 505 mg/kg

Target: Sewage treatment plant - Value: 100 mg/l

8.2. Exposure controls

Eye protection:

Face protection shield.

Protection for skin:

Protective apron.

Protection for hands:

Respiratory protection:

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

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None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Light yellow	--	--
Odour:	Not meaningful	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	185 ° C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	181°C	--	--
pH:	N.A.	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	5 hPa	2	--
Density and/or relative density:	N.A.	--	--
Relative vapour density:	N.A.	--	--

Particle characteristics:

Particle size:	N.A.	--	--
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9.2. Other information

Properties	Value	Method:	Notes
Viscosity:	5570 -730 mPa.s	--	--

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

None in particular.

10.6. Hazardous decomposition products

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None.

SECTION 11: Toxicological information

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

Toxicological information of the product:

ERFURT-JuicyWalls Feuchtraum-System **2K-PU-BESCHICHTUNG COMP. B**

a) acute toxicity

The product is classified: Acute Tox. 4 H332

b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

Not classified

Based on available data, the classification criteria are not met

d) respiratory or skin sensitisation

The product is classified: Skin Sens. 1 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

Not classified

Based on available data, the classification criteria are not met

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 of the main substances found in the product:

Homopolymer of hexamethylene-1,6-diisocyanate - CAS: 28182-81-2

a) acute toxicity:

Test: DL50 - Route: Oral - Species: Female rat > 2000 mg/kg - Source: OECD

Test: DL50 - Route: cutaneous - Species: Female rat > 2000 mg/kg - Source: OECD

Test: CL50 - Route: Inhalation Mist - Species: Female rat 0.390 mg/l - Duration: 4h -

Source: OECD

Hydrophilic aliphatic polyisocyanate based on HDI - CAS: 666723-27-9

a) acute toxicity:

Test: DL50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: OECD

Test: DL50 - Route: cutaneous - Species: Rat > 2000 mg/kg - Source: OECD

Test: CL50 - Route: Inhalation Mist - Species: Rat 2 0.15 mg/l - Duration: 4,5 h -

Source: OECD

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

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

ERFURT-JuicyWalls Feuchtraum-System **2K-PU-BESCHICHTUNG COMP. B**

Not classified for environmental hazards

Based on available data, the classification criteria are not met

Homopolymer of hexamethylene-1,6-diisocyanate - CAS: 28182-81-2

a) Aquatic acute toxicity:

Endpoint: CL50 - Species: Danio rerio > 100 mg/l - Duration h: 96

Endpoint: CE50 - Species: Daphnia > 100 mg/l - Duration h: 48

Endpoint: CE50 - Species: Algae 2 199 mg/l - Duration h: 72

Hydrophilic aliphatic polyisocyanate based on HDI - CAS: 666723-27-9

a) Aquatic acute toxicity:

Endpoint: CL50 - Species: Danio rerio 2 32.5 mg/l - Duration h: 96

Endpoint: CE50 - Species: Daphnia > 100 mg/l - Duration h: 48

Endpoint: CE50 - Species: Algae 2 72 mg/l - Duration h: 72

12.2. Persistence and degradability

Homopolymer of hexamethylene-1,6-diisocyanate - CAS: 28182-81-2

Biodegradability: It is not readily biodegradable. - Test: Oxygen consumption - Duration h: 28 days - %: 2

12.3. Bioaccumulative potential

Homopolymer of hexamethylene-1,6-diisocyanate - CAS: 28182-81-2

Bioaccumulation: Not bioaccumulative - Test: BCF - Bioconcentration factor 706.2

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration \geq 0.1%

12.7. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

N.A.

14.6. Special precautions for user

N.A.

14.7. Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

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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 (EC) n. 1272/2008 (CLP)
 Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
 Regulation (EU) n. 2020/878
 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. 2018/1480 (ATP 13 CLP)
 Regulation (EU) n. 2019/521 (ATP 12 CLP)

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:

Restriction 3

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)
 Regulation (EC) nr 648/2004 (detergents).
 Dir. 2004/42/EC (VOC directive)

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

Seveso III category according to Annex 1, part 1
 None

15.2. Chemical safety assessment

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

Substances for which a Chemical Safety Assessment has been carried out:

None

Water hazard class :

WGK 2 hazardous to water, for water according to AwSV classification, Annex 1 (5.2)

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H332 Harmful if inhaled.
 H317 May cause an allergic skin reaction.
 H335 May cause respiratory irritation.
 H331 Toxic if inhaled.
 H412 Harmful to aquatic life with long lasting effects.
 H302 Harmful if swallowed.
 H330 Fatal if inhaled.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Hazard class and	Code	Description
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hazard category		
Acute Tox. 1	3.1/1/Inhal	Acute toxicity (inhalation), Category 1
Acute Tox. 3	3.1/3/Inhal	Acute toxicity (inhalation), Category 3
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Resp. Sens. 1	3.4.1/1	Respiratory Sensitisation, Category 1
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

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
Acute Tox. 4, H332	Calculation method
Skin Sens. 1, H317	Calculation method

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 MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
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.

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KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
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.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.