according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B



Date of last issue: 22.04.2020

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

1.1 Product identifier

Trade name : Sika® Permacor®-3326 EG H Part B

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

Product use : Corrosion protection, Product is not intended for consumer

use

1.3 Details of the supplier of the safety data sheet

Company name of supplier : Sika Schweiz AG

Tüffenwies 16 8048 Zürich

Telephone : +41 58 436 40 40

Telefax

E-mail address of person responsible for the SDS

EHS@ch.sika.com

1.4 Emergency telephone number

Tox Info Suisse CH-8028 Zurich

+41(0)44 251 51 51 / Speed calling: 145

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 H226: Flammable liquid and vapour.

Acute toxicity, Category 4 H332: Harmful if inhaled.

Skin corrosion, Sub-category 1B H314: Causes severe skin burns and eye damage.

Serious eye damage, Category 1 H318: Causes serious eye damage.

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

Long-term (chronic) aquatic hazard, Cat-

egory 3

H412: Harmful to aquatic life with long lasting ef-

fects.

#### 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B

Revision Date: 18.05.2021 Version 7.0 Print Date 03.05.2023

Date of last issue: 22.04.2020

Hazard pictograms







Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

H412 Harmful to aquatic life with long lasting ef-

fects.

Precautionary statements : Prevention:

P210 Keep away from heat, hot surfaces, sparks,

open flames and other ignition sources. No

smoking.

P280 Wear protective gloves/ protective clothing/

eye protection/ face protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immedi-

ately all contaminated clothing. Rinse skin

with water.

P304 + P340 + P310 IF INHALED: Remove person to fresh

air and keep comfortable for breathing. Im-

mediately call a POISON CENTER/ doctor.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously

with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON

CENTER/ doctor.

P370 + P378 In case of fire: Use dry sand, dry chemical or

alcohol-resistant foam to extinguish.

#### Hazardous components which must be listed on the label:

m-phenylenebis(methylamine) and its reaction products with formaldehyde and phenol 3-aminomethyl-3,5,5-trimethylcyclohexylamine m-phenylenebis(methylamine)

#### Additional Labelling

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not

breathe spray or mist.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B

Revision Date: 18.05.2021 Version 7.0 Print Date 03.05.2023

Date of last issue: 22.04.2020



Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
m-phenylenebis(methylamine) and its reaction products with formaldehyde and phenol	1950616-36-0 701-207-5 01-2119966906-20- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1B; H317 Aquatic Chronic 3; H412	>= 10 - < 20
xylene Contains: ethylbenzene <= 25 %	1330-20-7 215-535-7 01-2119488216-32- XXXX	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 3; H412	>= 5 - < 10
benzyl alcohol	100-51-6 202-859-9 01-2119492630-38- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2; H319	>= 2,5 - < 5
titanium dioxide; [in powder form containing 1 % or more of parti- cles with aerodynamic diameter ≤ 10 µm]	13463-67-7 236-675-5 01-2119489379-17- XXXX	Carc. 2; H351	>= 2,5 - < 5
3-aminomethyl-3,5,5- trimethylcyclohexylamine	2855-13-2 220-666-8 01-2119514687-32- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Skin Sens. 1A; H317 Aquatic Chronic 3; H412 Eye Dam. 1; H318	>= 3 - < 5

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B



Date of last issue: 22.04.2020

Revision Date: 18.05.2021

m-phenylenebis(methylamine)	1477-55-0 216-032-5 01-2119480150-50- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H332 Skin Corr. 1B; H314 Skin Sens. 1; H317 Aquatic Chronic 3; H412 EUH071	>= 3 - < 5
salicylic acid	69-72-7 200-712-3 01-2119486984-17- XXXX	Acute Tox. 4; H302 Eye Dam. 1; H318 Repr. 2; H361d	<1

For explanation of abbreviations see section 16.

#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

General advice : Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.

Consult a physician after significant exposure.

In case of skin contact : Take off contaminated clothing and shoes immediately.

Wash off with soap and plenty of water.

Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficul-

ty.

In case of eye contact : Small amounts splashed into eyes can cause irreversible tis-

sue damage and blindness.

In the case of contact with eyes, rinse immediately with plenty

of water and seek medical advice.

Continue rinsing eyes during transport to hospital.

Remove contact lenses.

Keep eye wide open while rinsing.

If swallowed : Do not induce vomiting without medical advice.

Rinse mouth with water.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

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

Symptoms : Respiratory disorder

Allergic reactions

Headache Dermatitis

See Section 11 for more detailed information on health effects

and symptoms.

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B

Revision Date: 18.05.2021 Version 7.0 Print Date 03.05.2023

Date of last issue: 22.04.2020

Risks Health injuries may be delayed.

> corrosive effects sensitising effects

May cause an allergic skin reaction.

Causes serious eye damage.

Harmful if inhaled. Causes severe burns.

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

Treatment : Treat symptomatically.

## **SECTION 5: Firefighting measures**

5.1 Extinguishing media

Suitable extinguishing media Alcohol-resistant foam

Carbon dioxide (CO2)

Dry chemical

Unsuitable extinguishing

Water

media

High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-

fighting

Do not use a solid water stream as it may scatter and spread

ucts

Hazardous combustion prod- : No hazardous combustion products are known

#### 5.3 Advice for firefighters

for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

Further information Use water spray to cool unopened containers.

#### **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment.

Remove all sources of ignition.

Deny access to unprotected persons. Beware of vapours accumulating to form explosive concentra-

tions. Vapours can accumulate in low areas.

#### 6.2 Environmental precautions

**Environmental precautions** Prevent product from entering drains.

Date of last issue: 22.04.2020

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B

Revision Date: 18.05.2021 Version 7.0 Print Date 03.05.2023



If the product contaminates rivers and lakes or drains inform respective authorities.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible ab-

sorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local

/ national regulations (see section 13).

#### 6.4 Reference to other sections

For personal protection see section 8.

### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Advice on safe handling : Avoid exceeding the given occupational exposure limits (see

section 8).

Do not get in eyes, on skin, or on clothing. For personal protection see section 8.

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Take precautionary measures against static discharge.
Provide sufficient air exchange and/or exhaust in work rooms.
Open drum carefully as content may be under pressure.
Take necessary action to avoid static electricity discharge

(which might cause ignition of organic vapours).

Follow standard hygiene measures when handling chemical

products

Advice on protection against

fire and explosion

Use explosion-proof equipment. Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. Take precautionary

measures against electrostatic discharges.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accord-

ance with local regulations.

Further information on stor- : No decomposition if stored and applied as directed.

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B



Date of last issue: 22.04.2020

Revision Date: 18.05.2021

age stability

## 7.3 Specific end use(s)

## **SECTION 8: Exposure controls/personal protection**

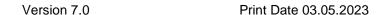
## 8.1 Control parameters

## **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters *	Basis *
xylene	1330-20-7	TWA	50 ppm 221 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake			
	through the sk			
		STEL	100 ppm 442 mg/m3	2000/39/EC
		TWA	100 ppm 435 mg/m3	CH SUVA
	Further information: Toxic by skin resorption possible; Substances, which are easily absored through the skin, can give by additional skin resoption a substancial higher risk compared to only inhalation by the airways., National Institute for Occupational Safety and Health, Institut National de Recherche et de Sécurité pour la prévention des accidents du travail et des maladies professionnelles			
		STEL	200 ppm 870 mg/m3	CH SUVA
benzyl alcohol	100-51-6	TWA	5 ppm 22 mg/m3	CH SUVA
	Further information: The substance can be present simultaneously as vapor and aerosol, Toxic by skin resorption possible; Substances, which are easily absored through the skin, can give by additional skin resoption a substancial higher risk compared to only inhalation by the airways., National Institute for Occupational Safety and Health, Harm to the unborn child is not to be expected when the OEL-value is respected			
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	TWA (alveolate dust)	3 mg/m3	CH SUVA
	Further information: National Institute for Occupational Safety and Health, Harm to the unborn child is not to be expected when the OEL-value is respected			
m-phenylenebis(methylamine)	1477-55-0	TWA	0,1 mg/m3	CH SUVA
	es, which are e tional skin reso inhalation by th	ation: Toxic by skin easily absored throu option a substancial ne airways., Sensiti to very strong allerg	igh the skin, can g higher risk compa zers; Substances	give by addi- ared to only

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B



Date of last issue: 22.04.2020

Revision Date: 18.05.2021

\*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

#### **Biological occupational exposure limits**

Substance name	CAS-No.	Control parame- ters	Sampling time	Basis
xylene	1330-20-7	methyl hippuric acids: 2 g/l (Urine)	Immediately after exposure or after working hours	CH BAT

### 8.2 Exposure controls

### Personal protective equipment

Eye protection : Safety glasses with side-shields conforming to EN166

Eye wash bottle with pure water Wear eye/face protection.

Hand protection : Chemical-resistant, impervious gloves complying with an ap-

proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu-

facturer specifications.

Suitable for short time use or protection against splashes:

Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed.

Suitable for permanent exposure:

Viton gloves (0.4 mm), breakthrough time >30 min.

Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345,

long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing

and stirring work.

Respiratory protection : In case of inadequate ventilation wear respiratory protection.

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe work-

ing limits of the selected respirator.

organic vapor (Type A) and particulate filter

A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm P1: Inert material; P2, P3: hazardous substances

Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficent to keep the concentrations under the occupational exposure limits then respiration protection measures must be used. Ensure adequate ventilation, especially in confined areas.

#### **Environmental exposure controls**

General advice : Prevent product from entering drains.

If the product contaminates rivers and lakes or drains inform

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B

Revision Date: 18.05.2021 Version 7.0

Date of last issue: 22.04.2020



Print Date 03.05.2023

respective authorities.

#### **SECTION 9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : grey

Odour : amine-like

Odour Threshold : No data available

pH : Not applicable

Melting point/range / Freezing :

point

No data available

Boiling point/boiling range : No data available

Flash point : ca. 30 °C

Method: closed cup

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit / Upper

flammability limit

: 7 %(V)

Lower explosion limit / Lower

flammability limit

: 1 %(V)

Vapour pressure : 7,9993 hPa

Relative vapour density : No data available

Density : ca. 1,76 g/cm3 (20 °C)

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

No data available

Auto-ignition temperature : 436 °C

Decomposition temperature : No data available

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B

Revision Date: 18.05.2021 Version 7.0 Print Date 03.05.2023

Date of last issue: 22.04.2020

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic :  $> 20,5 \text{ mm}2/\text{s} (40 ^{\circ}\text{C})$ 

Explosive properties : No data available

Oxidizing properties : No data available

#### 9.2 Other information

No data available

#### **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : No data available

#### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

#### **SECTION 11: Toxicological information**

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

#### **Acute toxicity**

Harmful if inhaled.

#### Components:

## m-phenylenebis(methylamine) and its reaction products with formaldehyde and phenol:

Acute inhalation toxicity : Assessment: Corrosive to the respiratory tract.

xylene:

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B

Revision Date: 18.05.2021 Version 7.0 Print Date 03.05.2023

Date of last issue: 22.04.2020

Acute oral toxicity : LD50 Oral (Rat): 3.523 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 1.700 mg/kg

benzyl alcohol:

Acute oral toxicity : LD50 Oral (Rat): 1.620 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 4,178 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

3-aminomethyl-3,5,5-trimethylcyclohexylamine:

Acute oral toxicity : LD50 Oral (Rat): 1.030 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5,01 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg

m-phenylenebis(methylamine):

Acute oral toxicity : LD50 Oral (Rat): 930 mg/kg

Acute inhalation toxicity : LC50 (Rat): 1,34 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Assessment: Corrosive to the respiratory tract.

Acute dermal toxicity : LD50 Dermal (Rat): > 3.100 mg/kg

salicylic acid:

Acute oral toxicity : LD50 Oral (Rat): 891 mg/kg

Acute dermal toxicity : LD50 Dermal (Rat): > 2.000 mg/kg

Skin corrosion/irritation

Causes severe burns.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B

Revision Date: 18.05.2021 Version 7.0 Print Date 03.05.2023

Date of last issue: 22.04.2020

### Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

Not classified based on available information.

#### Reproductive toxicity

Not classified based on available information.

#### STOT - single exposure

Not classified based on available information.

#### STOT - repeated exposure

Not classified based on available information.

#### **Aspiration toxicity**

Not classified based on available information.

#### 11.2 Information on other hazards

#### **Endocrine disrupting properties**

#### **Product:**

Assessment : The substance/mixture does not contain components consid-

ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

#### **Components:**

## m-phenylenebis(methylamine) and its reaction products with formaldehyde and phenol:

Toxicity to algae/aquatic

EC50 (Pseudokirchneriella subcapitata (green algae)): 20,4 mg/l

EC50 (Pseudokirchneriella subcapitata (green algae)): 2,2

plants

Exposure time: 72 h

Method: OECD Test Guideline 201

Toxicity to daphnia and other : aquatic invertebrates (Chron-

EC50: 29,8 mg/l Exposure time: 48 d

ic toxicity)

Species: Daphnia magna (Water flea)

io toxioity)

xylene:

Toxicity to algae/aquatic

mg/l

plants

Exposure time: 72 h

Method: OECD Test Guideline 201

Toxicity to fish (Chronic tox-

NOEC: > 1,3 mg/l

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B



Date of last issue: 22.04.2020

icity) Exposure time: 56 d

Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other :

aquatic invertebrates (Chron-

ic toxicity)

NOEC: 1,17 mg/l Exposure time: 7 d

Species: Daphnia (water flea)

benzyl alcohol:

LC50 (Fish): > 100 mg/l Toxicity to fish

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 100 mg/l

Exposure time: 48 h

3-aminomethyl-3,5,5-trimethylcyclohexylamine:

Toxicity to algae/aquatic

plants

ErC50 (Desmodesmus subspicatus (green algae)): > 10 - 100

Exposure time: 72 h

m-phenylenebis(methylamine):

Toxicity to fish LC50 (Oryzias latipes (Japanese medaka)): > 10 - 100 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 10 - 100 mg/l

Exposure time: 48 h

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 Results of PBT and vPvB assessment

**Product:** 

Assessment This substance/mixture contains no components considered

> to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher...

12.6 Endocrine disrupting properties

Product:

The substance/mixture does not contain components consid-Assessment

> ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B

Revision Date: 18.05.2021 Version 7.0 Print Date 03.05.2023

Date of last issue: 22.04.2020

levels of 0.1% or higher.

#### 12.7 Other adverse effects

#### **Product:**

Additional ecological infor-

mation

An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Harmful to aquatic life with long lasting effects.

## **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product : The generation of waste should be avoided or minimized

wherever possible.

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe

way.

Dispose of surplus and non-recyclable products via a licensed

waste disposal contractor.

Disposal of this product, solutions 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.

Avoid dispersal of spilled material and runoff and contact with

soil, waterways, drains and sewers.

Waste code Switzerland

VeVA/LVA

: 08 01 11: -

Contaminated packaging

15 01 10 [S] packaging containing residues of or contaminat-

ed by dangerous substances

#### **SECTION 14: Transport information**

#### 14.1 UN number

 ADR
 : UN 2734

 IMDG
 : UN 2734

 IATA
 : UN 2734

14.2 UN proper shipping name

ADR : AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.

(m-phenylenebis(methylamine), xylene)

IMDG : AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.

(m-phenylenebis(methylamine), xylene)

**IATA** : Amines, liquid, corrosive, flammable, n.o.s.

(m-phenylenebis(methylamine), xylene)

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B

Revision Date: 18.05.2021 Version 7.0 Print Date 03.05.2023

Date of last issue: 22.04.2020

# 14.3 Transport hazard class(es)

 ADR
 : 8

 IMDG
 : 8

 IATA
 : 8

#### 14.4 Packing group

**ADR** 

Packing group : II
Classification Code : CF1
Hazard Identification Number : 83
Labels : 8 (3)
Tunnel restriction code : (D/E)

**IMDG** 

Packing group : II
Labels : 8 (3)
EmS Code : F-E, S-C

IATA (Cargo)

Packing instruction (cargo : 855

aircraft)

Packing instruction (LQ) : Y840 Packing group : II

Labels : Corrosive, Flammable Liquids

IATA (Passenger)

Packing instruction (passen: 851

ger aircraft)

Packing instruction (LQ) : Y840
Packing group : II

Labels : Corrosive, Flammable Liquids

#### 14.5 Environmental hazards

**ADR** 

Environmentally hazardous : no

**IMDG** 

Marine pollutant : no

IATA (Passenger)

Environmentally hazardous : no

IATA (Cargo)

Environmentally hazardous : no

#### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B

Revision Date: 18.05.2021 Version 7.0 Print Date 03.05.2023

Date of last issue: 22.04.2020



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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances.

preparations and articles (Annex XVII)

Conditions of restriction for the following entries should be considered:

Number on list 3

International Chemical Weapons Convention (CWC)

Schedules of Toxic Chemicals and Precursors

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

REACH - List of substances subject to authorisation

(Annex XIV)

Not applicable

None of the components are listed

(=> 0.1 %).

Not applicable

Regulation (EC) No 1005/2009 on substances that de-

plete the ozone layer

Not applicable

Regulation (EU) 2019/1021 on persistent organic pollu-

tants (recast)

Not applicable

PIC Ordinance, ChemPICO (814.82) Not applicable

**REACH Information:** All substances contained in our Products are

- registered by our upstream suppliers, and/or

- registered by us, and/or

- excluded from the regulation, and/or

- exempted from the registration.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

P5c FLAMMABLE LIQUIDS

Water contaminating class

(Germany)

WGK 2 obviously hazardous to water

Classification according to AwSV, Annex 1 (5.2)

Volatile organic compounds Law on the incentive tax for volatile organic compounds

(VOCV)

Volatile organic compounds (VOC) content: 14,92 %

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 14,92 %

Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B



Date of last issue: 22.04.2020

Article 13 Maternity ordinance (SR 822.111.52): Expectant and nursing mothers are only permitted to come into contact with this product during the course of their work if, based on a risk assessment carried out in accordance with Article 63 of Ordinance 1 on the Employment Act (ArGV 1) (SR 822.111), the chemicals in question have been found not to cause any specific harm to mothers or children or if such harm can be ruled out by taking appropriate protective measures.

Young people undergoing basic vocational training may only work with this product if the relevant training ordinance makes provision for them to do so with a view to enabling them to achieve their training objectives and if the preconditions for the training plan have been met and the applicable age restrictions have been complied with. Young people who are not completing any basic vocational training are not permitted to work with this product. Employees of either sex who are under 18 years old are classed as young people.

The product belongs to group 2 according to the Swiss Chemicals Ordinance (ChemO 813.11).

#### 15.2 Chemical safety assessment

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

#### **SECTION 16: Other information**

#### **Full text of H-Statements**

H226 : Flammable liquid and vapour.

H302 : Harmful if swallowed.

H304 : May be fatal if swallowed and enters airways.

H312 : Harmful 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.

H332 : Harmful if inhaled.

H335 : May cause respiratory irritation.

H351 : Suspected of causing cancer if inhaled.
H361d : Suspected of damaging the unborn child.

H373 : May cause damage to organs through prolonged or repeated

exposure if inhaled.

H412 : Harmful to aquatic life with long lasting effects.

#### Full text of other abbreviations

Acute Tox. : Acute toxicity

Aquatic Chronic : Long-term (chronic) aquatic hazard

Asp. Tox. : Aspiration hazard
Carc. : Carcinogenicity
Eye Dam. : Serious eye damage

Eye Irrit.

Eye irritation

Flam. Liq.

Repr.

Skin Corr.

Skin Irrit.

Skin Sens.

Senous eye damage

Eye irritation

Flammable liquids

Reproductive toxicity

Skin corrosion

Skin irritation

Skin sensitisation

according to Regulation (EC) No. 1907/2006

## Sika® Permacor®-3326 EG H Part B



Date of last issue: 22.04.2020

Revision Date: 18.05.2021

STOT RE : Specific target organ toxicity - repeated exposure STOT SE : Specific target organ toxicity - single exposure

2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first

list of indicative occupational exposure limit values

CH BAT : Switzerland. List of BAT-values

CH SUVA : Switzerland. Limit values at the work place

2000/39/EC / TWA : Limit Value - eight hours
2000/39/EC / STEL : Short term exposure limit
CH SUVA / TWA : Time Weighted Average
CH SUVA / STEL : Short Term Exposure Limit

ADR : European Agreement concerning the International Carriage of

Dangerous Goods by Road

CAS : Chemical Abstracts Service
DNEL : Derived no-effect level

EC50 : Half maximal effective concentration

GHS : Globally Harmonized System

IATA : International Air Transport Association

IMDG : International Maritime Code for Dangerous Goods
LD50 : Median lethal dosis (the amount of a material, given all at

once, which causes the death of 50% (one half) of a group of

test animals)

LC50 : Median lethal concentration (concentrations of the chemical in

air that kills 50% of the test animals during the observation

period)

MARPOL : International Convention for the Prevention of Pollution from

Ships, 1973 as modified by the Protocol of 1978

OEL : Occupational Exposure Limit

PBT : Persistent, bioaccumulative and toxic PNEC : Predicted no effect concentration

REACH : Regulation (EC) No 1907/2006 of the European Parliament

and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency

SVHC : Substances of Very High Concern

vPvB : Very persistent and very bioaccumulative

#### **Further information**

## Classification of the mixture: Classification procedure:

Flam. Liq. 3	H226	Based on product data or assessment
Acute Tox. 4	H332	Calculation method
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method
Aquatic Chronic 3	H412	Calculation method

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

according to Regulation (EC) No. 1907/2006

# Sika® Permacor®-3326 EG H Part B

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Changes as compared to previous version!

CH / EN