

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 6/3/2024 Version: 1.0

### **SECTION 1: Identification**

### 1.1. Identification

Product form : Mixture
Product name : 20-2183PBK

### 1.2. Recommended use and restrictions on use

Recommended use : Potting compound

Restrictions on use : Not to be used for any purpose other than the one the product was designed for

### 1.3. Supplier

Epoxies, Etc. 21 Starline Way Cranston, RI 02921 USA T 401-946-5564

www.epoxies.com

### 1.4. Emergency telephone number

Emergency number : VelocityEHS: +1 (800) 255-3924, +1 (813) 248-0585

# **SECTION 2: Hazard(s) identification**

### 2.1. Classification of the substance or mixture

#### **GHS US classification**

Serious eye damage/eye irritation Category 2A H319 Causes serious eye irritation
Respiratory sensitization, Category 1 H334 May cause allergy or asthma symptoms or breathing difficulties if

inhaled.

Skin sensitization, Category 1 H317 May cause an allergic skin reaction Carcinogenicity Category 2 H351 Suspected of causing cancer

Reproductive toxicity Category 2 H361 Suspected of damaging fertility or the unborn child

Specific target organ toxicity (repeated exposure) Category 2 H373 May cause damage to organs through prolonged or repeated

exposure

Full text of H statements : see section 16

### 2.2. GHS Label elements, including precautionary statements

### **GHS US labeling**

Hazard pictograms (GHS US)



Signal word (GHS US) : Danger

Hazard statements (GHS US) : H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H351 - Suspected of causing cancer

H361 - Suspected of damaging fertility or the unborn child

H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

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P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 - Wash hands, forearms and face thoroughly after handling.

P272 - Contaminated work clothing must not be allowed out of the workplace.

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

P284 - [In case of inadequate ventilation] wear respiratory protection.

P302+P352 - If on skin: Wash with plenty of water.

P304+P341 - If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 - If exposed or concerned: Get medical advice/attention.

P314 - Get medical advice/attention if you feel unwell.

P321 - Specific treatment (see supplemental first aid instruction on this label).

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

P337+P313 - If eye irritation persists: Get medical advice/attention.

P342+P311 - If experiencing respiratory symptoms: Call a poison center or doctor.

P363 - Wash contaminated clothing before reuse.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : Harmful dust may be released during cutting, milling or grinding process.

### 2.4. Unknown acute toxicity (GHS US)

No additional information available

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

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Benzene, 1,1'-methylenebis[isocyanato-	CAS-No.: 26447-40-5	1 – 5	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
Diphenylmethane 4,4'-diisocyanate	CAS-No.: 101-68-8	1 – 5	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
Diphenylmethane diisocyanate (homopolymer)	CAS-No.: 39310-05-9	1 – 5	Resp. Sens. 1, H334

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Name	Product identifier	%	GHS US classification
Carbon black	CAS-No.: 1333-86-4	< 1	Self-heat. 1, H251 Carc. 2, H351
Ethanol, 2,2'-oxybis-	CAS-No.: 111-46-6	< 1	Acute Tox. 4 (Inhalation:dust,mist), H332 Repr. 2, H361

Comments : Components not listed are either non-hazardous or are below reportable limits.

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

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

### 4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor/physician if

you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory

symptoms: Call a poison center or a doctor.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs:

Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### **SECTION 5: Fire-fighting measures**

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

# 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

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

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin

and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer

to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public

waters.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

# **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment.

Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated

clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands

after handling the product.

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

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

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

### 8.1. Control parameters

# 20-2183PBK

No additional information available

#### Ethanol, 2,2'-oxybis- (111-46-6)

No additional information available

### Carbon black (1333-86-4)

### **USA - ACGIH - Occupational Exposure Limits**

Local name	Carbon black (*Not a respirable hazard as contained in this liquid mixture)
ACGIH OEL TWA	3 mg/m³ (I - Inhalable particulate matter)

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Carbon black (1333-86-4)		
Remark (ACGIH)	TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)	
Regulatory reference	ACGIH 2022	
USA - OSHA - Occupational Exposure Lim	its	
Local name	Carbon black (*Not a respirable hazard as contained in this liquid mixture)	
OSHA PEL TWA [1]	3.5 mg/m³	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	
Diphenylmethane 4,4'-diisocyanate (101-68-8)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Methylene bisphenyl isocyanate (MDI)	
ACGIH OEL TWA [ppm]	0.005 ppm	
Remark (ACGIH)	TLV® Basis: Resp sens	
Regulatory reference	ACGIH 2022	
USA - OSHA - Occupational Exposure Limits		
Local name	Methylene bisphenyl isocyanate (MDI)	
OSHA PEL C	0.2 mg/m³	
OSHA PEL C [ppm]	0.02 ppm	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	
Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)		
No additional information available		

# Diphenylmethane diisocyanate (homopolymer) (39310-05-9)

No additional information available

# 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

### Hand protection:

Wear suitable gloves resistant to chemical penetration. Neoprene or nitrile rubber gloves. Butyl-rubber protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Refer to manufacturer's information. Gloves must be replaced after each use and whenever signs of wear or perforation appear

#### Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

## Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

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#### Personal protective equipment symbol(s):







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

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : Mixture contains one or more component(s) which have the following colour(s):

Colourless Colourless to yellow Light yellow Dark grey to black White to light yellow Colourless

to yellow-green

Odor : There may be no odour warning properties, odour is subjective and inadequate to warn of

overexposure.

Mixture contains one or more component(s) which have the following odour:

Almost odourless Pleasant odour Alcohol odour Ammonia odour Amine-like odour Odourless

Mild odour Stuffy odour Aromatic odour Characteristic odour

Odor threshold : No data available pΗ : No data available Melting point : No data available Freezing point No data available Boiling point : No data available Flash point No data available Relative evaporation rate (butyl acetate=1) No data available Flammability (solid, gas) Not applicable. Vapor pressure No data available Relative vapor density at 20°C No data available No data available Relative density : No data available Solubility Partition coefficient n-octanol/water (Log Pow) : No data available Auto-ignition temperature : No data available Decomposition temperature No data available

Viscosity, kinematic
Viscosity, dynamic
Viscosity, dynamic
Explosion limits
Cyplosive properties
Cyplosive propert

### 9.2. Other information

No additional information available

# **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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# 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

# 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# **SECTION 11: Toxicological information**

# 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified Acute toxicity (inhalation) : Not classified

Ethanol, 2,2'-oxybis- (111-46-6)		
LD50 oral rat	16500 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 5 day(s))	
LD50 oral	15600 mg/kg	
LD50 dermal rabbit	13300 mg/kg body weight (Rabbit, Experimental value, Dermal, 14 day(s))	
LD50 dermal	13300 mg/kg	
LC50 Inhalation - Rat	> 4.6 mg/l air (Other, 4 h, Rat, Weight of evidence, Inhalation (aerosol), 14 day(s))	
ATE US (oral)	15600 mg/kg body weight	
ATE US (dermal)	13300 mg/kg body weight	
ATE US (dust, mist)	1.5 mg/l/4h	
Carbon black (1333-86-4)		
LD50 oral rat	> 8000 mg/kg Source: ECHA	
LD50 oral	8000 mg/kg	
LD50 dermal rabbit	> 8000 mg/kg Source: ECHA	
ATE US (oral)	8000 mg/kg body weight	
Diphenylmethane 4,4'-diisocyanate (1	01-68-8)	
LD50 oral rat	> 2000 mg/kg body weight (Rat, Male / female, Read-across, Oral, 14 day(s))	
LD50 oral	31600 mg/kg	
LD50 dermal rabbit	> 9400 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Read-across, Dermal, 14 day(s))	
LC50 Inhalation - Rat (Dust/Mist)	0.369 mg/l/4h	
ATE US (oral)	31600 mg/kg body weight	
ATE US (gases)	4500 ppmV/4h	
ATE US (vapors)	11 mg/l/4h	
ATE US (dust, mist)	0.369 mg/l/4h	

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Ethanol, 2,2'-oxybis- (111-46-6)  pH	Benzene, 1,1'-methylenebis[isocyanato- (2644	47-40-5)
LD50 dermal rabbit   > 9400 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Read-across, Skin)   LD50 Inhalation - Rat   0.48 mg/a fe_(pulvalent or similar to OECD 403, 4 h, Rat, Male / female, Read-across, Inhalation (aerosol))   LD50 Inhalation - Rat (Dust/Mist)   0.369 mg/44h   ATE US (oral)   31600 mg/kg body weight   ATE US (oral)   31600 mg/kg body weight   ATE US (dust. mist)   0.49 mg/44h   ATE US (dust. mist)   0.369 mg/44h   ATE US (dust. mist	LD50 oral rat	> 2000 mg/kg body weight (Other, Rat, Male / female, Experimental value, Oral)
Read-across, Skin)  LC50 Inhalation - Rat  0.49 mg/l air (Equivalent or similar to OECD 403, 4 h. Rat, Male / female, Read-across, Inhalation (acrosol))  LC50 Inhalation - Rat (Dust/Mist)  0.369 mg/l4h  ATE US (oral)  31600 mg/kg body weight  ATE US (gases)  4500 ppm/l/4h  ATE US (gases)  4500 ppm/l/4h  ATE US (dast mist)  0.389 mg/l4h  Skin corrosion/irritation  1 Not classified  Ethanol, 2,2°-oxybis- (111-46-6)  pH  5 - 8 (50 %)  Carbon black (1333-86-4)  pH  7 (8.8E-3 g/l, 25 °C)  Diphenylmethane 4,4°-dilisocyanate (101-68-8)  pH  5 - 8 (50 %)  Carbon black (1333-86-4)  pH  4 - 10 (5 %, 20 °C)  Diphenylmethane 4,4°-dilisocyanate (101-68-8)  pH  7 (8.8E-3 g/l, 25 °C)  Serious eye damage/irritation  5 - 8 (50 %)  Carbon black (1333-86-4)  pH  7 (8.8E-3 g/l, 25 °C)  Diphenylmethane 4,4°-dilisocyanate (101-68-8)  pH  7 (8.8E-3 g/l, 25 °C)  Diphenylmethane 4,4°-dilisocyanate (101-68-8)  pH  7 (8.8E-3 g/l, 25 °C)  Diphenylmethane 4,4°-dilisocyanate (101-68-8)  pH  7 (8.8E-3 g/l, 25 °C)  Diphenylmethane 4,4°-dilisocyanate (101-68-8)  pH  7 (8.8E-3 g/l, 25 °C)  No All (1333-86-4)  All (101-68-8)  PH  10 (101-68-8)  PH  11 (101-68-8)  PH  12 (101-68-8)  PH  13 (101-68-8)  PH  14 (101-68-8)  PH  15 (101-68-8)  PH  16 (101-68-8)  PH  17 (101-68-8)  PH  18 (101-68-8)  PH  19 (101-68-8)  PH  19 (101-68-8)  PH  10 (101-68-8)  PH  10 (101-68-8)  PH  11 (101-68-8)  PH  12 (101-68-8)  PH  12 (101-68-8)  PH  13 (101-68-8)  PH  14 (101-68-8)  PH  15 (101-68-8)  PH  16 (101-68-8)  PH  17 (101-68-8)  PH  18 (101-68-8)  PH  19 (101-68-8)  PH  10 (101-68-8)  PH  10 (101-68-8)  PH  11 (101-68-8)  PH  12 (101-68-8)  PH  13 (101-68-8)  PH  14 (101-68-8)  PH  15 (101-68-8)  PH  16 (101-68-8)  PH  17 (101-68-8)  PH  18 (101-68-8)  PH  19 (101-68-8)  PH  10	LD50 oral	31600 mg/kg
Inhalation (acrosol))   LC50 Inhalation - Rat (Dust/Mist)	LD50 dermal rabbit	
ATE US (oral)  ATE US (gases)  4500 ppmV/4h  ATE US (yapors)  0.49 mg/l/4h  ATE US (dust, mist)  0.898 mg/l/4h  Skin corrosion/irritation  Ethanol, 2,2*-oxybis* (111-46-6)  pH  5 - 8 (50 %)  Carbon black (1333-86-4)  pH  4 - 10 (5 %, 20 °C)  Diphenylmethane 4,4*-diisocyanate (101-68-8)  pH  5 - 8 (50 %)  Carbon black (1333-86-4)  pH  7 (6.8E-3 g/l, 25 °C)  Scrious eye damage/irritation  Ethanol, 2,2*-oxybis* (111-46-6)  pH  5 - 8 (50 %)  Carbon black (1333-86-4)  pH  5 - 8 (50 %)  Carbon black (1333-86-4)  pH  7 (6.8E-3 g/l, 25 °C)  Scrious eye damage/irritation  5 - 8 (50 %)  Carbon black (1333-86-4)  pH  7 (6.8E-3 g/l, 25 °C)  Diphenylmethane 4,4*-diisocyanate (101-68-8)  pH  7 (6.8E-3 g/l, 25 °C)  Respiratory or skin sensitization  May cause ailergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.  Germ cell mutagenicity  Not classified  Carbon black (1333-86-4)  Ethanol, 2,2*-oxybis* (111-46-6)  NOAEL (chronic,oral,animal/male,2 years)  1210 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)  NOAEL (chronic,oral,animal/male,2 years)  1100 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)  NOAEL (chronic,oral,animal/male,2 years)  1100 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)  NOAEL (chronic,oral,animal/male,2 years)  1100 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)  Not a respirable hazard as contained in this liquid mixture  2B - Possibly carcinogenic to humans  Diphenylmethane 4,4*-diisocyanate (101-68-8)	LC50 Inhalation - Rat	
ATE US (gases) 4500 ppmV/4h  ATE US (vapors) 0.49 mg/l/4h  ATE US (dust, mist) 0.369 mg/l/4h  Skin corrosion/irritation : Not classified  Ethanol, 2,2*-oxybis- (111-46-6) pH 5-8 (50 %)  Carbon black (1333-86-4) pH 4-10 (5 %, 20 °C)  Diphenylmethane 4,4*-diisocyanate (101-68-8) pH 7 (6.8E-3 g/l, 25 °C)  Serious eye damage/irritation : Causes serious eye irritation.  Ethanol, 2,2*-oxybis- (111-46-6) pH 5-8 (50 %)  Carbon black (1333-86-4) pH 4-10 (5 %, 20 °C)  Diphenylmethane 4,4*-diisocyanate (101-68-8) pH 4-10 (5 %, 20 °C)  Diphenylmethane 4,4*-diisocyanate (101-68-8) pH 7 (6.8E-3 g/l, 25 °C)  Respiratory or skin sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin resciton.  Germ cell mutagenicity : Not classified  Carcinogenicity : Not classified  Carcinogenicity : Suspected of causing cancer.  Ethanol, 2,2*-oxybis- (111-46-6)  NOAEL (chronic, oral, animal/maile, 2 years) 1210 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)  NOAEL (chronic, oral, animal/maile, 2 years) 1160 mg/kg body weight Animal: rat, Animal sex: female, Remarks on results: other:Effect type: carcinogenicity (migrated information)  NOAEL (chronic, oral, animal/maile, 2 years) 1160 mg/kg body weight Animal: rat, Animal sex: female, Remarks on results: other:Effect type: carcinogenicity (migrated information)  NOAEL (chronic, oral, animal/maile, 2 years) 28 - Possibly carcinogenic to humans  Diphenylmethane 4,4*-diisocyanate (101-68-8)	LC50 Inhalation - Rat (Dust/Mist)	0.369 mg/l/4h
ATE US (vapors)  O.49 mg/l/4h  ATE US (dust, mist)  O.369 mg/l/4h  Skin corrosion/irritation  Interpretation  Ethanol, 2,2'-oxybis- (111-46-6)  pH  5 - 8 (50 %)  Carbon black (1333-86-4)  pH  7 (6.8E-3 g/l, 25 °C)  Serious eye damage/irritation  Ethanol, 2,2'-oxybis- (111-46-6)  pH  7 (6.8E-3 g/l, 25 °C)  Serious eye damage/irritation  Ethanol, 2,2'-oxybis- (111-46-6)  pH  5 - 8 (50 %)  Carbon black (1333-86-4)  pH  4 - 10 (5 %, 20 °C)  Diphenylmethane 4,4'-diisocyanate (101-68-8)  pH  7 (6.8E-3 g/l, 25 °C)  Diphenylmethane 4,4'-diisocyanate (101-68-8)  pH  7 (6.8E-3 g/l, 25 °C)  Serious eye damage/irritation  Serious eye damage/irritation  Serious eye damage/irritation  1 (6.8E-3 g/l, 25 °C)  Serious eye damage/irritation  1 (6.8E-3 g/l, 25 °C)  Serious eye damage/irritation  Serious eye damage/irritation  1 (6.8E-3 g/l, 25 °C)  Serious eye damage/irritation  Serious eye irritation	ATE US (oral)	31600 mg/kg body weight
ATE US (dust, mist)  Skin corrosion/irritation  : Not classified  Ethanol, 2,2'-oxybis- (111-46-6) pH  5 - 8 (50 %)  Carbon black (1333-86-4) pH  7 (6.8E-3 g/l, 25 °C)  Diphenylmethane 4,4'-diisocyanate (101-68-8) pH  5 - 8 (50 %)  Ethanol, 2,2'-oxybis- (111-46-6) pH  7 (6.8E-3 g/l, 25 °C)  Serious eye damage/irritation  Ethanol, 2,2'-oxybis- (111-46-6) pH  5 - 8 (50 %)  Carbon black (1333-86-4) pH  4 - 10 (5 %, 20 °C)  Diphenylmethane 4,4'-diisocyanate (101-68-8) pH  7 (6.8E-3 g/l, 25 °C)  Respiratory or skin sensitization  i May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.  Germ cell mutagenicity  i Not classified  Ethanol, 2,2'-oxybis- (111-46-6)  NOAEL (chronic, oral, animal/male, 2 years)  1210 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)  NOAEL (chronic, oral, animal/female, 2 years)  1160 mg/kg body weight Animal: rat, Animal sex: female, Remarks on results: other:Effect type: carcinogenicity (migrated information)  Carbon black (1333-86-4)  Additional information  *Not a respirable hazard as contained in this liquid mixture  28 - Possibly carcinogenic to humans  Diphenylmethane 4,4'-diisocyanate (101-68-8)	ATE US (gases)	4500 ppmV/4h
Skin corrosion/irritation : Not classified  Ethanol, 2,2'-oxybis- (111-46-6)  pH	ATE US (vapors)	0.49 mg/l/4h
Ethanol, 2,2'-oxybis- (111-46-6) pH	ATE US (dust, mist)	0.369 mg/l/4h
pH   5 - 8 (50 %)  Carbon black (1333-86-4) pH   4 - 10 (5 %, 20 °C)  Diphenylmethane 4,4'-diisocyanate (101-68-8) pH   7 (6.8E-3 g/l, 25 °C)  Serious eye damage/irritation : Causes serious eye irritation.  Ethanol, 2,2'-oxybis- (111-46-6) pH   5 - 8 (50 %)  Carbon black (1333-86-4) pH   4 - 10 (5 %, 20 °C)  Diphenylmethane 4,4'-diisocyanate (101-68-8) pH   7 (6.8E-3 g/l, 25 °C)  Diphenylmethane 4,4'-diisocyanate (101-68-8) pH   7 (6.8E-3 g/l, 25 °C)  Respiratory or skin sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.  Germ cell mutagenicity : Not classified  Carcinogenicity : Suspected of causing cancer.  Ethanol, 2,2'-oxybis- (111-46-6)  NOAEL (chronic,oral,animal/male,2 years)   1210 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)  NOAEL (chronic,oral,animal/female,2 years)   1160 mg/kg body weight Animal: rat, Animal sex: female, Remarks on results: other:Effect type: carcinogenicity (migrated information)  Carbon black (1333-86-4)  Additional information   'Not a respirable hazard as contained in this liquid mixture   IARC group   2B - Possibly carcinogenic to humans  Diphenylmethane 4,4'-diisocyanate (101-68-8)	Skin corrosion/irritation :	Not classified
Carbon black (1333-86-4)  pH	Ethanol, 2,2'-oxybis- (111-46-6)	
pH   4 - 10 (5 %, 20 °C)  Diphenylmethane 4,4'-diisocyanate (101-68-8) pH   7 (6.8E-3 g/l, 25 °C)  Serious eye damage/irritation : Causes serious eye irritation.  Ethanol, 2,2'-oxybis- (111-46-6) pH   5 - 8 (50 %)  Carbon black (1333-86-4) pH   4 - 10 (5 %, 20 °C)  Diphenylmethane 4,4'-diisocyanate (101-68-8) pH   7 (6.8E-3 g/l, 25 °C)  Respiratory or skin sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.  Germ cell mutagenicity : Not classified  Carcinogenicity : Suspected of causing cancer.  Ethanol, 2,2'-oxybis- (111-46-6)  NOAEL (chronic,oral,animal/male,2 years)   1210 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)  NOAEL (chronic,oral,animal/temale,2 years)   1160 mg/kg body weight Animal: rat, Animal sex: female, Remarks on results: other:Effect type: carcinogenicity (migrated information)  Carbon black (1333-86-4)  Additional information   *Not a respirable hazard as contained in this liquid mixture  IARC group   2B - Possibly carcinogenic to humans  Diphenylmethane 4,4'-diisocyanate (101-68-8)	рН	5 – 8 (50 %)
Diphenylmethane 4,4'-diisocyanate (101-68-8)  pH	Carbon black (1333-86-4)	
pH 7 (6.8E-3 g/l, 25 °C)  Serious eye damage/irritation : Causes serious eye irritation.  Ethanol, 2,2'-oxybis- (111-46-6)  pH 5-8 (50 %)  Carbon black (1333-86-4)  pH 4-10 (5 %, 20 °C)  Diphenylmethane 4,4'-diisocyanate (101-68-8)  pH 7 (6.8E-3 g/l, 25 °C)  Respiratory or skin sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.  Germ cell mutagenicity : Not classified  Carcinogenicity : Suspected of causing cancer.  Ethanol, 2,2'-oxybis- (111-46-6)  NOAEL (chronic,oral,animal/male,2 years)	рН	4 – 10 (5 %, 20 °C)
Serious eye damage/irritation : Causes serious eye irritation.  Ethanol, 2,2'-oxybis- (111-46-6)  pH	Diphenylmethane 4,4'-diisocyanate (101-68-8)	
Ethanol, 2,2'-oxybis- (111-46-6)  pH   5 - 8 (50 %)  Carbon black (1333-86-4)  pH   4 - 10 (5 %, 20 °C)  Diphenylmethane 4,4'-diisocyanate (101-68-8)  pH   7 (6.8E-3 g/l, 25 °C)  Respiratory or skin sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.  Germ cell mutagenicity : Not classified  Carcinogenicity : Suspected of causing cancer.  Ethanol, 2,2'-oxybis- (111-46-6)  NOAEL (chronic,oral,animal/male,2 years)   1210 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)  NOAEL (chronic,oral,animal/female,2 years)   1160 mg/kg body weight Animal: rat, Animal sex: female, Remarks on results: other:Effect type: carcinogenicity (migrated information)  Carbon black (1333-86-4)  Additional information	рН	7 (6.8E-3 g/l, 25 °C)
pH   5 - 8 (50 %)  Carbon black (1333-86-4) pH   4 - 10 (5 %, 20 °C)  Diphenylmethane 4,4'-diisocyanate (101-68-8) pH   7 (6.8E-3 g/l, 25 °C)  Respiratory or skin sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.  Germ cell mutagenicity : Not classified Carcinogenicity : Suspected of causing cancer.  Ethanol, 2,2'-oxybis- (111-46-6)  NOAEL (chronic,oral,animal/male,2 years)   1210 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)  NOAEL (chronic,oral,animal/female,2 years)   1160 mg/kg body weight Animal: rat, Animal sex: female, Remarks on results: other:Effect type: carcinogenicity (migrated information)  Carbon black (1333-86-4)  Additional information   *Not a respirable hazard as contained in this liquid mixture  IARC group   2B - Possibly carcinogenic to humans  Diphenylmethane 4,4'-diisocyanate (101-68-8)	Serious eye damage/irritation :	Causes serious eye irritation.
Carbon black (1333-86-4) pH   4 - 10 (5 %, 20 °C)  Diphenylmethane 4,4'-diisocyanate (101-68-8) pH   7 (6.8E-3 g/l, 25 °C)  Respiratory or skin sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.  Germ cell mutagenicity : Not classified  Carcinogenicity : Suspected of causing cancer.  Ethanol, 2,2'-oxybis- (111-46-6)  NOAEL (chronic,oral,animal/male,2 years)   1210 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)  NOAEL (chronic,oral,animal/female,2 years)   1160 mg/kg body weight Animal: rat, Animal sex: female, Remarks on results: other:Effect type: carcinogenicity (migrated information)  Carbon black (1333-86-4)  Additional information   *Not a respirable hazard as contained in this liquid mixture  IARC group   2B - Possibly carcinogenic to humans  Diphenylmethane 4,4'-diisocyanate (101-68-8)	Ethanol, 2,2'-oxybis- (111-46-6)	
PH   4 - 10 (5 %, 20 °C)  Diphenylmethane 4,4'-diisocyanate (101-68-8)  PH   7 (6.8E-3 g/l, 25 °C)  Respiratory or skin sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.  Germ cell mutagenicity : Not classified  Carcinogenicity : Suspected of causing cancer.  Ethanol, 2,2'-oxybis- (111-46-6)  NOAEL (chronic,oral,animal/male,2 years)   1210 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)  NOAEL (chronic,oral,animal/female,2 years)   1160 mg/kg body weight Animal: rat, Animal sex: female, Remarks on results: other:Effect type: carcinogenicity (migrated information)  Carbon black (1333-86-4)  Additional information	рН	5 – 8 (50 %)
Diphenylmethane 4,4'-diisocyanate (101-68-8)  pH	Carbon black (1333-86-4)	
pH 7 (6.8E-3 g/l, 25 °C)  Respiratory or skin sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.  Germ cell mutagenicity : Not classified  Carcinogenicity : Suspected of causing cancer.  Ethanol, 2,2'-oxybis- (111-46-6)  NOAEL (chronic,oral,animal/male,2 years)	рН	4 – 10 (5 %, 20 °C)
Respiratory or skin sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.  Germ cell mutagenicity : Not classified Carcinogenicity : Suspected of causing cancer.  Ethanol, 2,2'-oxybis- (111-46-6)  NOAEL (chronic,oral,animal/male,2 years)	Diphenylmethane 4,4'-diisocyanate (101-68-8)	
skin reaction.  Germ cell mutagenicity : Not classified  Carcinogenicity : Suspected of causing cancer.  Ethanol, 2,2'-oxybis- (111-46-6)  NOAEL (chronic, oral, animal/male, 2 years)	pH	7 (6.8E-3 g/l, 25 °C)
Carcinogenicity : Suspected of causing cancer.  Ethanol, 2,2'-oxybis- (111-46-6)  NOAEL (chronic,oral,animal/male,2 years)	Respiratory or skin sensitization :	
Ethanol, 2,2'-oxybis- (111-46-6)  NOAEL (chronic,oral,animal/male,2 years)  NOAEL (chronic,oral,animal/male,2 years)  1210 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)  NOAEL (chronic,oral,animal/female,2 years)  1160 mg/kg body weight Animal: rat, Animal sex: female, Remarks on results: other:Effect type: carcinogenicity (migrated information)  Carbon black (1333-86-4)  Additional information  *Not a respirable hazard as contained in this liquid mixture  IARC group  2B - Possibly carcinogenic to humans  Diphenylmethane 4,4'-diisocyanate (101-68-8)	3	
NOAEL (chronic,oral,animal/male,2 years)  1210 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)  NOAEL (chronic,oral,animal/female,2 years)  1160 mg/kg body weight Animal: rat, Animal sex: female, Remarks on results: other:Effect type: carcinogenicity (migrated information)  Carbon black (1333-86-4)  Additional information  *Not a respirable hazard as contained in this liquid mixture  IARC group  2B - Possibly carcinogenic to humans  Diphenylmethane 4,4'-diisocyanate (101-68-8)	<i>,</i>	Suspected of causing cancer.
carcinogenicity (migrated information)  NOAEL (chronic,oral,animal/female,2 years)  1160 mg/kg body weight Animal: rat, Animal sex: female, Remarks on results: other:Effect type: carcinogenicity (migrated information)  Carbon black (1333-86-4)  Additional information  *Not a respirable hazard as contained in this liquid mixture  IARC group  2B - Possibly carcinogenic to humans  Diphenylmethane 4,4'-diisocyanate (101-68-8)		4040 mallion bed an existence of the control of the
type: carcinogenicity (migrated information)  Carbon black (1333-86-4)  Additional information *Not a respirable hazard as contained in this liquid mixture  IARC group 2B - Possibly carcinogenic to humans  Diphenylmethane 4,4'-diisocyanate (101-68-8)	NOAEL (chronic,oral,animal/male,2 years)	
Additional information	NOAEL (chronic,oral,animal/female,2 years)	
IARC group  2B - Possibly carcinogenic to humans  Diphenylmethane 4,4'-diisocyanate (101-68-8)	Carbon black (1333-86-4)	
Diphenylmethane 4,4'-diisocyanate (101-68-8)	Additional information	*Not a respirable hazard as contained in this liquid mixture
	IARC group	2B - Possibly carcinogenic to humans
IARC group 3 - Not classifiable	Diphenylmethane 4,4'-diisocyanate (101-68-8)	
	IARC group	3 - Not classifiable

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: Suspected of damaging fertility or the unborn child. Reproductive toxicity STOT-single exposure : Not classified Diphenylmethane 4,4'-diisocyanate (101-68-8) STOT-single exposure May cause respiratory irritation. Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5) STOT-single exposure May cause respiratory irritation. STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure. Ethanol, 2,2'-oxybis- (111-46-6) LOAEL (oral,rat,90 days) 40000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents) Carbon black (1333-86-4) LOAEC (inhalation, rat, dust/mist/fume, 90 days) 0.0071 mg/l air Animal: rat, Animal sex: male NOAEL (oral,rat,90 days) > 1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) NOAEC (inhalation,rat,dust/mist/fume,90 days) 0.0011 mg/l air Animal: rat, Animal sex: male Diphenylmethane 4,4'-diisocyanate (101-68-8) STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5) STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. Aspiration hazard : Not classified Viscosity, kinematic : No data available Ethanol, 2,2'-oxybis- (111-46-6) Viscosity, kinematic No data available in the literature Carbon black (1333-86-4) Viscosity, kinematic Not applicable (solid) Diphenylmethane 4,4'-diisocyanate (101-68-8) Viscosity, kinematic Not applicable (solid) Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5) Viscosity, kinematic 9.09 mm<sup>2</sup>/s (20 °C) Symptoms/effects after inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. Symptoms/effects after skin contact : May cause an allergic skin reaction. Symptoms/effects after eye contact : Eye irritation.

### **SECTION 12: Ecological information**

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse

effects in the environment.

### Ethanol, 2,2'-oxybis- (111-46-6)

LC50 - Fish [1] 75200 mg/l (96 h, Pimephales promelas, Flow-through system, Experimental value, Lethal)

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Ethanol, 2,2'-oxybis- (111-46-6)		
EC50 - Crustacea [1]	> 10000 mg/l (DIN 38412-11, 24 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)	
EC50 96h - Algae [1]	6500 – 13000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
EC50 96h - Algae [2]	9362 mg/l Test organisms (species): other:green algae	
NOEC (chronic)	≥ 1000 mg/l Test organisms (species): Americamysis bahia (previous name: Mysidopsis bahia) Duration: '23 d'	
Carbon black (1333-86-4)		
LC50 - Fish [1]	> 1000 mg/l Source: NITE	
EC50 - Crustacea [1]	> 5600 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)	
EC50 72h - Algae [1]	> 10000 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
EC50 72h - Algae [2]	> 10000 mg/l Test organisms (species):	
ErC50 algae	> 10000 mg/l Source: EHCA	
Diphenylmethane 4,4'-diisocyanate (101-68-8)		
LC50 - Fish [1]	> 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water, Read-across, Nominal concentration)	
EC50 - Crustacea [1]	129.7 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Static system, Fresh water, Read-across, Locomotor effect)	
ErC50 algae	> 1640 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Read-across, GLP)	
Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)		
LC50 - Fish [1]	> 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Brachydanio rerio, Static system, Fresh water, Read-across, Lethal)	
EC50 - Crustacea [1]	> 1000 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Static system, Fresh water, Read-across)	
EC50 72h - Algae [1]	> 1640 mg/l (OECD 201: Alga, Growth Inhibition Test, Scenedesmus subspicatus, Static system, Fresh water, Read-across, Growth rate)	

# 12.2. Persistence and degradability

Ethanol, 2,2'-oxybis- (111-46-6)		
Not rapidly degradable		
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	0.02 g O <sub>2</sub> /g substance	
Chemical oxygen demand (COD)	1.51 g O <sub>2</sub> /g substance	
ThOD	1.51 g O <sub>2</sub> /g substance	
Carbon black (1333-86-4)		
Not rapidly degradable		
Persistence and degradability	Biodegradability in soil: not applicable. Biodegradability: not applicable.	

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Carbon black (1333-86-4)		
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	
Diphenylmethane 4,4'-diisocyanate (101-68-8)		
Not rapidly degradable		
Persistence and degradability	Not readily biodegradable in water.	
Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)		
Not rapidly degradable		
Persistence and degradability	Contains non readily biodegradable component(s).	

# 12.3. Bioaccumulative potential

Ethanol, 2,2'-oxybis- (111-46-6)		
BCF - Fish [1]	100 l/kg (3 day(s), Leuciscus melanotus, Static system, Fresh water, Experimental value)	
Partition coefficient n-octanol/water (Log Pow)	-1.98 (Calculated)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
Carbon black (1333-86-4)		
Bioaccumulative potential	Not bioaccumulative.	
Diphenylmethane 4,4'-diisocyanate (101-68-8)		
BCF - Fish [1]	92 – 200 (OECD 305: Bioconcentration: Flow-Through Fish Test, 4 week(s), Cyprinus carpio, Flow-through system, Fresh water, Experimental value, GLP)	
Partition coefficient n-octanol/water (Log Pow)	4.51 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 22 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)		
BCF - Fish [1]	92 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Cyprinus carpio, Flow-through system, Fresh water, Read-across, GLP)	
Partition coefficient n-octanol/water (Log Pow)	4.51 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 22 °C)	
Bioaccumulative potential	Does not contain bioaccumulative component(s).	

# 12.4. Mobility in soil

Ethanol, 2,2'-oxybis- (111-46-6)		
Surface tension	48.5 mN/m	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0 (log Koc, SRC PCKOCWIN v2.0, QSAR)	
Ecology - soil	Highly mobile in soil.	
Carbon black (1333-86-4)		
Surface tension	Not applicable (solid)	
Ecology - soil	No (test)data on mobility of the substance available. Not toxic to plants. Not toxic to animals.	

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Diphenylmethane 4,4'-diisocyanate (101-68-8)		
Surface tension	No data available in the literature	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.53 – 5.455 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil	Adsorbs into the soil.	
Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)		
Ecology - soil	No (test)data on mobility of the component(s) available.	

# 12.5. Other adverse effects

No additional information available

# **SECTION 13: Disposal considerations**

### 13.1. Disposal methods

Waste treatment methods

 $: \ \, \text{Dispose of contents/container in accordance with licensed collector's sorting instructions}.$ 

# **SECTION 14: Transport information**

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA	
14.1. UN number				
Not regulated for transport				
14.2. Proper Shipping Name				
Not applicable	Not applicable	Not applicable	Not applicable	
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	
No supplementary information available				

# 14.6. Special precautions for user

#### DOT

No data available

### TDG

No data available

#### **IMDG**

No data available

#### IATA

No data available

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

Not applicable

### **SECTION 15: Regulatory information**

#### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Diphenylmethane 4,4'-diisocyanate CAS-No. 101-68-8 1 – 5%

## Diphenylmethane 4,4'-diisocyanate (101-68-8)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 5000 lb

#### 15.2. International regulations

#### **CANADA**

### Ethanol, 2,2'-oxybis- (111-46-6)

Listed on the Canadian DSL (Domestic Substances List)

### Carbon black (1333-86-4)

Listed on the Canadian DSL (Domestic Substances List)

### Diphenylmethane 4,4'-diisocyanate (101-68-8)

Listed on the Canadian DSL (Domestic Substances List)

### Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)

Listed on the Canadian DSL (Domestic Substances List)

### Diphenylmethane diisocyanate (homopolymer) (39310-05-9)

Listed on the Canadian DSL (Domestic Substances List)

### **EU-Regulations**

No additional information available

### **National regulations**

# Ethanol, 2,2'-oxybis- (111-46-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Carbon black (1333-86-4)

Listed on IARC (International Agency for Research on Cancer)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

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### Diphenylmethane 4,4'-diisocyanate (101-68-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. US State regulations



This product can expose you to Carbon black (airborne, unbound particles of respirable size), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Component	State or local regulations
Ethanol, 2,2'-oxybis-(111-46-6)	U.S Pennsylvania - RTK (Right to Know) List
Carbon black(1333-86-4)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List
Diphenylmethane 4,4'-diisocyanate(101-68-8)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List

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

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Full text of H-phrases	
H251	Self-heating; may catch fire
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.