

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

**SUPERGRIP 9566** 

Revision date 17-Apr-2023 Revision Number 1.05

Supercedes Date: 31-May-2022

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

### 1.1. Product identifier

Product Name SUPERGRIP 9566

Pure substance/mixture Mixture

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

Recommended use Hot-melt adhesives

Uses advised against None known

## 1.3. Details of the supplier of the safety data sheet

#### **Company Name**

Bostik Limited Common Rd ST16 3EH Stafford UK

Tel: +44 (1785) 27 26 25 Fax: +44 (1785) 25 72 36

E-mail address SDS.box-EU@bostik.com

## 1.4. Emergency telephone number

United Kingdom Bostik: +44 (1785) 272650 (9am to 5pm Mon-Fri)

NHS: 111

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Respiratory sensitisation	Category 1 - (H334)
Skin sensitisation	Category 1 - (H317)
Carcinogenicity	Category 2 - (H351)

### 2.2. Label elements

Contains 4,4'-Methylenediphenyl diisocyanate.o-(p-isocyanatobenzyl)phenyl isocyanate



## Signal word Danger

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#### **Hazard statements**

H317 - May cause an allergic skin reaction.

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

H351 - Suspected of causing cancer.

### Precautionary Statements - EU (§28, 1272/2008)

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

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

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor

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

P501 - Dispose of contents/ container to an approved waste disposal plant

#### Special provisions concerning the labelling of certain mixtures

As from 24 August 2023 adequate training is required before industrial or professional use.

#### **Additional information**

This product requires tactile warnings if supplied to the general public.

#### 2.3. Other hazards

Causes mild skin irritation.

#### PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

### SECTION 3: Composition/information on ingredients

## 3.1 Substances

Not applicable

#### 3.2 Mixtures

Chemical name	EC No (EU Index No)	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	,	REACH registration number
4,4'-Methylenediphenyl diisocyanate	(615-005-00- 9) (615-035-00- 2) 202-966-0	101-68-8	1 - <2.5	Acute Tox. 4 (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)	STOT SE 3 :: C>=5% Skin Irrit. 2 :: C>=5% Eye Irrit. 2 :: C>=5% Resp. Sens. 1 :: C>=0.1%	01-2119457014- 47-XXXX
o-(p-isocyanatobenzyl)p henyl isocyanate	(615-005-00- 9) 227-534-9	5873-54-1	0.01 - <0.1	Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Resp. Sens. 1	Eye Irrit. 2 :: C>=5% Resp. Sens. 1 :: C>=0.1% Skin Irrit. 2 :: C>=5% STOT SE 3 :: C>=5%	01-2119480143- 45-XXXX

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(H334) Skin Sens. 1 (H317)	
Carc. 2 (H351) STOT SE 3	
(H335) STOT RE 2 (H373)	

#### Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

#### **Notes**

See section 16 for more information

Chemical name	Notes
4,4'-Methylenediphenyl diisocyanate - 101-68-8	C,2
o-(p-isocyanatobenzyl)phenyl isocyanate - 5873-54-1	C,2

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get

medical advice/attention.

**Inhalation** May cause allergic respiratory reaction. If breathing has stopped, give artificial

respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Get immediate medical

attention.

**Eye contact**Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper

eyelids. Consult a doctor.

**Skin contact** Wash with soap and water. May cause an allergic skin reaction. In the case of skin

irritation or allergic reactions see a doctor.

Ingestion May produce an allergic reaction. Do NOT induce vomiting. Rinse mouth. Never give

anything by mouth to an unconscious person. Get immediate medical attention.

Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved, take precautions to

protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. See section 8 for more information.

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

Symptoms May cause allergy or asthma symptoms or breathing difficulties if inhaled. Coughing and/

or wheezing. Itching. Rashes. Hives. Prolonged contact may cause redness and

irritation.

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

**Note to doctors** May cause sensitisation in susceptible persons. Treat symptomatically.

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## SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the

surrounding environment.

Unsuitable extinguishing media No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

the Product is or contains a sensitiser. May cause sensitisation by inhalation. May cause

sensitisation by skin contact.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx). Hydrogen cyanide.

Isocyanates.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

## SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal

protective equipment as required. Evacuate personnel to safe areas. Keep people away

from and upwind of spill/leak.

**Other information** Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

**Methods for containment** Keep from any possible contact with water.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact

with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product.

Take off contaminated clothing and wash it before reuse.

**General hygiene considerations**Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.
Do not eat, drink or smoke when using this product. Remove and wash contaminated

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clothing and gloves, including the inside, before re-use. Wash hands before breaks and immediately after handling the product.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

Keep out of the reach of children. Keep away from water or moist air.

Recommended storage

temperature

Keep at temperatures between 10 and 35 °C.

7.3. Specific end use(s)

Specific use(s)

Hot-melt adhesives.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

### **Exposure Limits**

Chemical name	European Union	United Kingdom
4,4'-Methylenediphenyl diisocyanate	-	TWA: 0.02 mg/m <sup>3</sup>
101-68-8		STEL: 0.07 mg/m <sup>3</sup>
		Sen+
o-(p-isocyanatobenzyl)phenyl isocyanate	-	TWA: 0.02 mg/m <sup>3</sup>
5873-54-1		STEL: 0.07 mg/m <sup>3</sup>
		Sen+

Chemical name	European Union	Ireland	United Kingdom
4,4'-Methylenediphenyl	-	1 µmol/mol Creatinine (urine -	1 mmol isocyanate-derived
diisocyanate		urinary Diamine post task)	diamine/mol creatinine urine
101-68-8			
o-(p-isocyanatobenzyl)phenyl	-	1 µmol/mol Creatinine (urine -	-
isocyanate		urinary Diamine post task)	
5873-54-1			

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)				
4,4'-Methylenediphenyl diisocyanate (101-68-8)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
worker Short term Systemic health effects	Dermal	50 mg/kg bw/d		
worker Short term Systemic health effects	Inhalation	0.1 mg/m³		
worker Short term Local health effects	Dermal	28700 μg/cm <sup>2</sup>		
worker Short term Local health effects	Inhalation	0.1 mg/m <sup>3</sup>		
worker Long term	Inhalation	0.05 mg/m³		

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Systemic health effects			
worker	Inhalation	0.05 mg/m³	
Long term			
Local health effects			

o-(p-isocyanatobenzyl)phenyl isocyanate (5873-54-1)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Local health effects	Inhalation	0.05 mg/m <sup>3</sup>	
worker Short term Local health effects	Inhalation	0.1 mg/m <sup>3</sup>	

Derived No Effect Level (DNEL)				
4,4'-Methylenediphenyl diisocyanate (101-68-8)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
Consumer Short term Systemic health effects	Dermal	25 mg/kg bw/d		
Consumer Short term Systemic health effects	Inhalation	0.05 mg/m³		
Consumer Short term Systemic health effects	Oral	20 mg/kg bw/d		
Consumer Short term Local health effects	Dermal	17200 μg/cm²		
Consumer Short term Local health effects	Inhalation	0.05 mg/m³		
Consumer Long term Systemic health effects	Inhalation	0.025 mg/m³		
Consumer Long term Local health effects	Inhalation	0.025 mg/m³		

# Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)			
4,4'-Methylenediphenyl diisocyanate (101-68-8)			
Environmental compartment	Predicted No Effect Concentration (PNEC)		
Freshwater	1 mg/l		
Marine water	0.1 mg/l		
Soil	1 mg/kg dry weight		
Sewage treatment plant	1 mg/l		
Freshwater - intermittent	10 mg/l		

o-(p-isocyanatobenzyl)phenyl isocyanate (5873-54-1)		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Freshwater	1 mg/l	
Marine water	0.1 mg/l	
Sewage treatment plant	1 mg/l	
Soil	1 mg/kg dry weight	

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10 mg/l Freshwater - intermittent

8.2. Exposure controls

**Engineering controls** Molten . Ensure adequate ventilation, especially in confined areas. Vapours/aerosols

must be exhausted directly at the point of origin.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Eye protection must conform to

standard EN 166.

Hand protection Heat resistant gloves are recommended when handling molten materials. Gloves must

conform to standard EN 407. Unsuitable protective clothing. Wet gloves.

Spindle A29 @ 20 rpm @ 120 °C

None known

Skin and body protection Wear suitable protective clothing.

Respiratory protection In case of inadequate ventilation wear respiratory protection. During spraying wear

suitable respiratory equipment.

Recommended filter type: Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Organic gases

and vapours filter conforming to EN 14387.

**Environmental exposure controls** Do not allow uncontrolled discharge of product into the environment.

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

**Physical state** Solid Blocks **Appearance** Colour Cream

No information available. Odour **Odour threshold** No information available

Property Values Remarks • Method

No data available Melting point / freezing point None known Initial boiling point and boiling No data available None known

range

**Flammability** No data available None known Flammability Limit in Air None known

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

CC (closed cup) > 100 °C Flash point No data available None known **Autoignition temperature** 

**Decomposition temperature** 

None known No data available None known. pН pH (as aqueous solution) No data available None known Kinematic viscosity No data available None known

22000 - 30000 mPas **Dynamic viscosity** 

Insoluble in water. Water solubility

Solubility(ies) No data available None known No data available **Partition coefficient** None known Vapour pressure No data available None known

Relative density 1.08

**Bulk Density** No data available **Liquid Density** 1.08 g/cm<sup>3</sup>

Relative vapour density No data available None known

**Particle characteristics** 

Particle Size No information available **Particle Size Distribution** No information available

9.2. Other information

100 Solid content (%)

**VOC** content No data available

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9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

## SECTION 10: Stability and reactivity

10.1. Reactivity

**Reactivity** No information available.

10.2. Chemical stability

**Stability** Reacts with water.

**Explosion data** 

Sensitivity to mechanical

None.

impact

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

**Hazardous polymerisation** Hazardous polymerisation may occur.

10.4. Conditions to avoid

Conditions to avoid Exposure to water.

10.5. Incompatible materials

**Incompatible materials**None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition

products

Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx). Hydrogen cyanide. Thermal decomposition can lead to release of toxic/corrosive gases and vapours.

Phosphorus oxides. Acrylates.

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

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

## Information on likely routes of exposure

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available. May cause sensitisation in

susceptible persons. (based on components).

**Eye contact** Based on available data, the classification criteria are not met.

**Skin contact** Specific test data for the substance or mixture is not available. Repeated or prolonged

skin contact may cause allergic reactions with susceptible persons. (based on components). May cause sensitisation by skin contact. Causes mild skin irritation.

Ingestion Specific test data for the substance or mixture is not available. May cause additional

affects as listed under "Inhalation".

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## Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing,

tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Coughing and/ or wheezing. Itching. Rashes. Hives. Prolonged contact may

cause redness and irritation.

#### Acute toxicity

#### **Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

 ATEmix (oral)
 >5000 mg/kg

 ATEmix (dermal)
 >5000 mg/kg

 ATEmix (inhalation-gas)
 >20000 ppm

 ATEmix (inhalation-dust/mist)
 81.30 mg/l

 ATEmix (inhalation-vapour)
 >20 mg/l

### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
4,4'-Methylenediphenyl	=31600 mg/kg (Rattus)	LD 50 > 9400 mg/kg	=1.5 mg/L (Rattus) 4 h
diisocyanate	= 9200 mg/kg (Rattus)	(Oryctolagus cuniculus)	-
		OECD 402	
o-(p-isocyanatobenzyl)phenyl	LD50 >2000 mg/Kg (Rattus)	LD 50 > 9400 mg/kg	1.5 mg/L (4h) Rat
isocyanate		(Oryctolagus cuniculus)	-
		OECD 402	

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation

Classification based on data available for ingredients. Causes mild skin irritation.

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

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404:	Rabbit	Dermal			Irritant
Acute Dermal					
Irritation/Corrosion					

o-(p-isocyanatobenzyl)phenyl isocyanate (5873-54-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404:	Rabbit				irritant
Acute Dermal					
Irritation/Corrosion					

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

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

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	Eye	0.1 mL	24 hours	Mild eye irritation
Acute Eye					
Irritation/Corrosion					

**Respiratory or skin sensitisation** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

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4,4'-Methylenediphenyl diisocyanate (101-68-8)

Method	Species	Exposure route	Results
OECD GD 39	Rat	Inhalation	Sensitizing
OECD Test No. 406: Skin Sensitisation	Guinea pig	Dermal	Sensitizing

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Component Information

4,4'-Methylenediphenyl diisocyanate (101-68-8)

Method	Species	Results
Regulation (EC) No. 440/2008, Annex, B.13/14	in vitro	Not mutagenic
(Ames test)		
OECD Test No. 474: Mammalian Erythrocyte	Rat, in vivo	Not mutagenic
Micronucleus Test		-

## Carcinogenicity

Contains a known or suspected carcinogen. Classification based on data available for ingredients. Suspected of causing cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

#### Component Information

4,4'-Methylenediphenyl diisocyanate (101-68-8)

Method	Species	Results
OECD Test No. 453: Combined Chronic	Rat	Limited evidence of a carcinogenic
Toxicity/Carcinogenicity Studies		effect

o-(p-isocyanatobenzyl)phenyl isocyanate (5873-54-1)

Method	Species	Results
OECD Test No. 453: Combined Chronic	Rat	Carcinogenic
Toxicity/Carcinogenicity Studies		-

Chemical name	European Union
4,4'-Methylenediphenyl diisocyanate	Carc. 2
o-(p-isocyanatobenzyl)phenyl isocyanate	Carc. 2

#### Reproductive toxicity

Based on available data, the classification criteria are not met.

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

Method	Species	Results
OECD Test No. 414: Pre-natal Development	Rat	LOAEL 9 mg/m <sup>3</sup>
Toxicity Study		_

STOT - single exposure

Based on available data, the classification criteria are not met.

STOT - repeated exposure

Based on available data, the classification criteria are not met.

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

Method	Species	Exposure route	Effective dose	Exposure time	Results
	,	Inhalation, Dust/Mist	0,0.2,0.7, 2.1 mg/m <sup>3</sup>	2 Years	Category 2

### **Aspiration hazard**

Based on available data, the classification criteria are not met.

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### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

## **SECTION 12: Ecological information**

#### 12.1. Toxicity

#### **Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
4,4'-Methylenediphenyl diisocyanate 101-68-8	ErC50 (72h) >1640 mg/L Algae (scenedesmus subspicatus) (OECD 201)	>1000 mg/l (Danio rerio)	-	EC50 (24H) >1000 mg/L Daphnia magna		,
o-(p-isocyanatobenzyl) phenyl isocyanate 5873-54-1	ErC50 (72h) >1640 mg/L Algae (scenedesmus subspicatus) (OECD 201)	LC50 (96 h) > 1000 mg/l (Danio rerio) OECD 203	-	EC50 (24H) >1000 mg/L Daphnia magna		

## 12.2. Persistence and degradability

Persistence and degradability No information available.

4,4'-Methylenediphenyl diisocyanate (101-68-8)

Method	Exposure time	Value	Results
OECD Test No. 302C: Inherent	28 days	0% biodegradation	Not readily biodegradable
Biodegradability: Modified MITI Test		-	
(II)			

## 12.3. Bioaccumulative potential

#### Bioaccumulation

**Component Information** 

Chemical name	Partition coefficient	
4,4'-Methylenediphenyl diisocyanate	4.51	

### 12.4. Mobility in soil

Mobility in soil No information available.

## 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB above the

threshold of declaration.

Chemical name	PBT and vPvB assessment
Chemical name	FDT and VEVD assessment

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4,4'-Methylenediphenyl diisocyanate	The substance is not PBT / vPvB	
o-(p-isocyanatobenzyl)phenyl isocyanate	The substance is not PBT / vPvB	

#### 12.6. Endocrine disrupting properties

No information available. **Endocrine disrupting properties** 

#### 12.7. Other adverse effects

No information available.

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

Contaminated packaging Do not reuse empty containers.

according to EWC

Waste codes / waste designations 15 01 10\*: Packaging containing residues of or contaminated by dangerous substances.

16 03 03\* inorganic wastes containing hazardous substances. 16 05 05 gases in pressure containers other than those mentioned in 16 05 04. Waste codes should be assigned by the user based on the application for which the product was used.

**European Waste Catalogue** 08 05 01\* waste isocyanates

Other information Waste codes should be assigned by the user based on the application for which the

product was used.

## SECTION 14: Transport information

#### Land transport (ADR/RID)

14.1 UN number or ID number Not regulated 14.2 UN proper shipping name Not regulated 14.3 Transport hazard class(es) Not regulated 14.4 Packing group Not regulated 14.5 Environmental hazards Not applicable

14.6 Special precautions for user

**Special Provisions** None

### **IMDG**

14.1 UN number or ID number Not regulated 14.2 UN proper shipping name Not regulated 14.3 Transport hazard class(es) Not regulated 14.4 Packing group Not regulated

14.5 Marine pollutant NP 14.6 Special precautions for user

**Special Provisions** None

14.7 Maritime transport in bulk according to IMO instruments

Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable

## Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number Not regulated 14.2 UN proper shipping name Not regulated 14.3 Transport hazard class(es) Not regulated 14.4 Packing group Not regulated

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14.5 Environmental hazards

Not applicable

14.6 Special precautions for user **Special Provisions** 

None

## Section 15: REGULATORY INFORMATION

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

#### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

## Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

#### **SVHC: Substances of Very High Concern for Authorisation:**

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

#### EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	CAS No	Restricted substance per REACH Annex XVII
Diisocyantes		74
4,4'-Methylenediphenyl diisocyanate	101-68-8	56[a]. 75. 74.

<sup>56.</sup> If product supplied to the general public with substance ≥0.1%, then gloves must be provided with the product. 74 If product supplied to the industrial or professional users with total monomeric diisocyanates ≥ 0.1%, then its packaging must mention "As from 24 August 2023 adequate training is required before industrial or professional use".

### Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

## Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

#### **Persistent Organic Pollutants**

Not applicable

## National regulations

#### 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa.

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Chemical Safety Assessment has been carried out for this mixture

## **SECTION 16: Other information**

#### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

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

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

#### Notes relating to the identification, classification and labelling of substances

**Note C:** Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers

#### Notes relating to the classification and labelling of mixtures

**Note 2:** The concentration of isocyanate stated is the percentage by weight of the free monomer calculated with reference to the total weight of the mixture

Legend

TWA TWA (time-weighted average)
STEL STEL (Short Term Exposure Limit)

Ceiling Ceiling Limit Value
\* Skin designation

SVHC Substance(s) of Very High Concern

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals vPvB Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE Specific target organ toxicity - Repeated exposure STOT SE Specific target organ toxicity - Single exposure

EWC European Waste Catalogue

ADR European Agreement concerning the International Carriage of Dangerous Goods by

Road

IMDG International Maritime Dangerous Goods (IMDG)
IATA International Air Transport Association (IATA)

RID Regulations concerning the International Transport of Dangerous Goods by Rail

## Key literature references and sources for data

No information available

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Indication of changes

Revision note Not applicable.

Training Advice When working with hazardous materials, regular training of operators is required by law

AS FROM 24 AUGUST 2023 ADEQUATE TRAINING IS REQUIRED BEFORE INDUSTRIAL OR PROFESSIONAL USE For further information, please contact:

https://www.safeusediisocyanates.eu/

Further information No information available

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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#### **Disclaimer**

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**End of Safety Data Sheet** 

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