Printing Date 23.05.2021 Version Number 4 Revision 21.05.2021

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

1.1 Product identifier

Trade name: Super Blue Article number: \$752

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

No further relevant information available.

Application of the substance / the mixture Adhesives

1.3 Details of the supplier of the safety data sheet

Supplier:

Interfloor Limited

Broadway Haslingen Rossendale Lancashire,

England, BB4 4LS

Tel.: ++44 (0) 1706 213 131

Website: www.interfloor.com E Mail: sales@interfloor.com

1.4 Emergency telephone number:

In case of poisoning:

Interfloor Ltd ++44 (0) 1706 213 131 or your local poison centre

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4 H332 Harmful if inhaled. Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Carc. 2 H351 Suspected of causing cancer. STOT SE 3 H335 May cause respiratory irritation.

Additional Information: The classification resulted from the calculation method of CLP-regulation

Printing Date 23.05.2021 Version Number 4 Revision 21.05.2021

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation

Hazard pictograms



Signal word Danger

Hazard-determining components of labelling:

methylenediphenyl diisocyanate, isomeres and homologues p-toluenesulphonyl isocyanate dibutyltin dilaurate

Hazard statements

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H335 May cause respiratory irritation.

Precautionary statements

P260 Do not breathe mist/vapours/spray.

P280 Wear protective gloves / protective clothing.

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.

Additional information:

EUH204 Contains isocyanates. May produce an allergic reaction

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable **vPvB**: Not applicable

Printing Date 23.05.2021 Version Number 4 Revision 21.05.2021

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures Description: Mixture of several substances

Dangerous components:

CAS: 9016-87-9	methylenediphenyl diisocyanate, isomeres and homologues	<5%
EC number: 618-498-9	Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373;	
	Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin	
	Sens. 1, H317; STOT SE 3, H335	
EC number: 927-676-8	Hydrocarbons, C12-C16	<5%
Reg.nr.: 01-2119456377-30-xxx	Asp. Tox. 1, H304	
CAS: 101-68-8	diphenylmethane-4,4'-diisocyanate	<5%
EINECS: 202-966-0	Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373;	
Reg.nr.: 01-2119457014-47-xxxx	Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin	
	Sens. 1, H317; STOT SE 3, H335	
CAS: 5873-54-1	diphenylmethane-2,4'-diisocyanate	<5%
EINECS: 227-534-9	Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373;	
Reg.nr.: 01-2119480143-45-xxxx	Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin	
	Sens. 1, H317; STOT SE 3,	
EC number: 920-901-0	Hydrocarbons, C11-C13	<2%
Reg.nr.: 01-2119456810-40-xxxx	Asp. Tox. 1, H304	
CAS: 32055-14-4	Diphenylmethane diisocyanate, isomers and homologues	<2%
NLP: 500-079-6	Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373;	
Reg.nr.: 01-2119457024-46-xxxx	Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin	
	Sens. 1, H317; STOT SE 3, H335	
CAS: 6425-39-4	2.2'-Dimorpholinyl diethyl ether	<2%
EINECS: 229-194-7	Eye Irrit. 2, H31	
Reg.nr.: 01-2119969278-20-xxxx		
CAS: 4083-64-1	p-toluenesulphonyl isocyanate	<1%
EINECS: 223-810-8	Resp. Sens. 1, H334; Skin Irrit. 2, H315; Eye Irrit. 2, H319;	
Reg.nr.: 01-2119980050-47-xxxx	STOT SE 3, H335	
CAS: 2536-05-2	diphenylmethane-2,2'-diisocyanate	<0.2%
EINECS: 219-799-4	Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373;	
Reg.nr.: 01-2119927323-43-xxxx	Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin	
	Sens. 1, H317; STOT SE 3, H335	

SVHC Doesn't contain SVHC > 0,1%

Additional information

EC-number 920-901-0: Outside of Europe this substance is assigned CAS-number 90622-58-5. EC-number 927-676-8: Outside of Europe this substance is assigned CAS-number 64742-47-8. For the wording of the listed hazard phrases refer to section 16.

Printing Date 23.05.2021 Version Number 4 Revision 21.05.2021

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation

In case of unconsciousness bring patient into a stable side position for transport.

Supply fresh air; consult doctor in case of complaints.

Even minimal concentrations of isocyanate can lead to a reaction in sensitised people. Symptoms that may occur include the following: irritation of the eyes, nose, throat and lungs, possibly together with a dry throat, a feeling of chest tightness and breathing difficulties. The symptoms may only arise several hours after exposure.

After skin contact

Immediately rinse with water

Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.

The skin is irritated. Sensitisation may occur through skin contact. Animal research has shown that skin contact with substances known to have a sensitising effect on airways, such as diisocyanate, can cause airways to be sensitised. Therefore, when carrying out activities where (un)intentional skin contact with isocyanates may occur (e.g. during maintenance work, or when opening a barrel), wear long-sleeved protective clothing and gloves.

After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor

After swallowing

Do not induce vomiting; call for medical help immediately

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available

4.3 Indication of any immediate medical attention and special treatment needed

In instances of existing sensitisation towards isocyanates, a doctor should be consulted with regards to work-related contact with other sensitising substances, or substances which irritate the airway. Treatment for exposure should be geared towards monitoring symptoms and the patient's clinical condition. It must be ensured that the patient has sufficient ventilation and oxygen supply. Isocyanates can cause sensitisation of the airways, or asthma-like symptoms (bronchospasms). Delayed breathing symptoms, including lung oedema, may occur. People who have shown signs of breathlessness after considerable exposure should remain under observation for 24-48 hours.

Printing Date 23.05.2021 Version Number 4 Revision 21.05.2021

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing agents

Water spray Alcohol-resistant foam Fire-extinguishing powder Carbon dioxide

For safety reasons unsuitable extinguishing agents Water with full jet

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Use respiratory protective device against the effects of fumes/dust/aerosol.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Information about protection against explosions and fires: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Protect from frost.

Keep receptacle tightly sealed.

Protect from heat and direct sunlight.

Store receptacle in a well ventilated area.

Store in dry conditions.

Storage class (according german VCI-concept): 10

7.3 Specific end use(s) No further relevant information available.

Printing Date 23.05.2021 Version Number 4 Revision 21.05.2021

SECTION 8: Expose controls/personal protection

8.1 Control parameters

Additional information about design of technical systems: No further data; see item 7.

Components with limit values that require monitoring at the workplace:

CAS: 9016-87-9 methylenediphenyl diiso	ocyanate, isomeres and homologues	
WEL (Great Britain)	Short-term value: 0.07 mg/m ³	
	Long-term value: 0.02 mg/m ³	
	Sen; as -NCO	
Hydrocarbons, C12-C16		
RCP-TWA (European Union)	Long-term value: 1200 mg/m³, 182 ppm	
	Total hydrocarbons (supplier recommendation)	
CAS: 101-68-8 diphenylmethane-4,4'-diisocyanate		
WEL (Great Britain)	Short-term value: 0.07 mg/m ³	
	Long-term value: 0.02 mg/m ³	
	Sen; as -NCO	
CAS: 5873-54-1 diphenylmethane-2,4'-diisocyanate		
WEL (Great Britain)	Short-term value: 0.07 mg/m ³	
	Long-term value: 0.02 mg/m ³	
	Sen; as -NCO	
Hydrocarbons, C11-C13		
RCP-TWA (European Union)	Long-term value: 1200 mg/m³, 182 ppm	
	Total hydrocarbons (supplier recommendation)	
CAS: 4083-64-1 p-toluenesulphonyl isocy	yanate	
WEL (Great Britain)	Short-term value: 0.07 mg/m ³	
	Long-term value: 0.02 mg/m ³	
	Sen; as -NCO	
CAS: 2536-05-2 diphenylmethane-2,2'-diisocyanate		
WEL (Great Britain)	Short-term value: 0.07 mg/m³	
	Long-term value: 0.02 mg/m³	
	Sen; as -NCO	

Printing Date 23.05.2021

Version Number 4

Revision 21.05.2021

Ingredients with biological limit values:

CAS: 101-68-8 diphenylmethane-4,4'-diisocyanate		
BMGV (Great Britain)	1 μmol creatinine/mol	
	Medium: urine	
	Sampling time: At the end of the period of exposure	
	Parameter: isocyanate-derived diamine	
CAS: 5873-54-1 diphenylmethane-2,4'-diisocyanate		
BMGV (Great Britain)	1 μmol creatinine/mol	
	Medium: urine	
	Sampling time: At the end of the period od exposure	
	Parameter: isocyanate-derived diamine	
CAS: 2536-05-2 diphenylmethane-2,2'-diisocyanate		
BMGV (Great Britain)	1 μmol creatinine/mol	
	Medium: urine	
	Sampling time: At the end of the period od exposure	
	Parameter: isocyanate-derived diamine	
	- Additional information:	

Additional information:

The homogenous mixing of this product is safeguarded by continual physical testing. Raw materials which formerly had dust-like properties are completely incorporated into the liquid / paste-like mass. Subsequently, possible TLVs for solid substances are not given, as there is no more danger of inhaling these substances (when dealing with this mixture)!

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of the work.

Immediately remove all soiled and contaminated clothing

Breathing equipment:

Not required with good ventilation and/or adequate extractor facilities

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Short term filter device:

A2 (DIN EN 14387 / DIN EN 141)

Protection of hands (DIN EN 420):

Direct contact with the chemical preparation must be avoided by organizational measures. Apply skin protectant before working with gloves to avoid skin swellings and use a skin cleansing and skincare product after the work.

Compliance with the stated penetration time (starts with the first product contact) must be ensured! The gloves need to be disposed of after the penetration time and new gloves used!

Printing Date 23.05.2021

Version Number 4

Revision 21.05.2021

For the permanent contact gloves made of the following materials are suitable:

If longer exposure to the chemical preparation is necessary, a sturdy overglove against mechanical strain is recommended in combination with the "Barrier 02-100" underglove from Ansell (penetration time 480 min).

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Nitrile rubber (0.8 mm - penetration time 15 min)

As protection from splashes gloves made of the following materials are suitable:

Recommended for protection from splashes: disposable nitrile gloves (minimum thickness 0.12 mm) with long cuffs. After contact with the chemical preparation, take the disposable nitrile glove off immediately and put on a new disposable nitrile glove.

Eye protection: Safety glasses

Body protection: Protective work clothing.

Printing Date 23.05.2021 Version Number 4 Revision 21.05.2021

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties General Information

Appearance:

Form: Pasty Colour: Blue

Odour: Characteristic
Odour threshold: Not determined.

Change in condition

Melting point/freezing point: undetermined Initial boiling point and boiling range: undetermined

Flash point: 75 °C

Ignition temperature: 400 °C

Explosion limits:

Lower: Not determined Upper: Not determined

Vapour pressure at 20 °C: 7 hPa

Specific gravity at 20 °C: 1.45 g/cm³

Vapour densityNot determined.Evaporation rateNot determined.

Solubility in / Miscibility with

Water: Insoluble

reacts with water

Partition coefficient: n-octanol/water: Not determined.

Viscosity:

dynamic at 20 °C: 150,000 mPas (Brookfield)

kinematic: Not determined

Solvent content:

 Organic solvents:
 1.3 %

 VOC (EU):
 21.8 g/l

 VOC (EU):
 1.50 %

 VOC (CH):
 1.50 %

9.2 Other information No further relevant information available.

Printing Date 23.05.2021

Version Number 4

Revision 21.05.2021

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

Reacts with alcohols, amines, aqueous acids and alkalis.

Reacts with water forming carbon dioxide. In closed containers there is a danger of bursting, due to build up of pressure.

- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:

In case of fire, the following substance(s) may occur:

Nitrogen oxides

Additional information: Open and release pressure carefully with pressurised containers

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Harmful if inhaled.

LD/LC50 values that are relevant for classification:		
ATE (Acute Toxicity Estimates)		
Inhalative	LC50/4 h	17.2 mg/l

CAS: 9016-87-9 methylenediphenyl diisocyanate, isomeres and homologues			
Inhalative	LC50/4 h	1.5 mg/l (rat)	
CAS: 101-68-8 diphenylmethane-4,4'-diisocyanate			
Inhalative	LC50/4 h	1.5 mg/l (ATE)	
CAS: 5873-54-1 diphenylmethane-2,4'-diisocyanate			
Inhalative	LC50/4 h	1.5 mg/l (ATE)	
CAS: 32055-14-4 Diphenylmethane diisocyanate, isomers and homologues			
Inhalative	LC50/4 h	11 mg/l (ATE)	
CAS: 2536-05-2 diphenylmethane-2,2'-diisocyanate			
Inhalative	LC50/4 h	1.5 mg/l (ATE)	

Primary irritant effect:

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

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

May cause an allergic skin reaction.

Additional toxicological information:

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Printing Date 23.05.2021

Version Number 4

Revision 21.05.2021

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

Carcinogenicity

Suspected of causing cancer.

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

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure Based on available data, the classification criteria are not met.

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

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Do not allow product to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable. **vPvB**: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Disposal in accordance with official regulations

EWC-Code(s):

To be treated as industrial waste: do not dispose of in or on soil, in watercourses or bodies, or through a sewage system. These EU refuse code numbers are recommendations for waste accruing through the use of adhesives and sealants. Any waste produced from organic solvents or other dangerous substances (according GHS) listed under item 3 of this safety datasheet is itself classified as dangerous (*).

Waste accruing during application:

080409* waste adhesives and sealants containing organic solvents or other dangerous substances 080410 waste adhesives and sealants other than those mentioned in 080409

Waste accruing during cleaning:

08 04 11* adhesive and sealant sludges containing organic solvents or other dangerous substances

08 04 12 adhesive and sealant sludges other than those mentioned in 080411

Waste packaging:

15 01 01 paper and cardboard packaging

15 01 02 plastic packaging

15 01 04 metallic packaging

15 01 10* packaging containing residues of or contaminated by dangerous substances.

Printing Date 23.05.2021 Version Number 4 Revision 21.05.2021

SECTION 14: Transport information

14.1 UN-Number	
ADR/RID/ADN, ADN, IMDG, IATA	Void
14.2 UN proper shipping name	
ADR/RID/ADN, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es)	
ADR/RID/ADN, ADN, IMDG, IATA	
Class	Void
14.4 Packing group	
ADR/RID/ADN, IMDG, IATA	Void
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of	
Marpol and the IBC Code	Not applicable
Transport/Additional information:	Protect from moisture
UN "Model Regulation":	Void

SECTION 15: Regulatory Information

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

National regulations

Information about limitation of use:

Employment restrictions concerning young persons must be observed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

For commercial use only.

Legend of H- and R-phrases, concerning the in chapter 3 mentioned substances (marking of product please see chapter 2)

H304 May be fatal if swallowed and enters airways.

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.

Printing Date 23.05.2021 Version Number 4 Revision 21.05.2021

Department issuing SDS:

Abteilung: EU Regulatory Engineering Adhesives (department: EU Regulatory Engineering Adhesives)

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning

the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning

International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity - Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Carc. 2: Carcinogenicity - Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

^{*} Data compared to the previous version altered.