

# REPAIR ADHESIVE COMPONENT B



## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment  
Regulation (EU) 2020/878

ISSUE DATE: 09.10.2014  
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**VERSION: 6.0**

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

#### 1.1. Product identifier

Trade name	Repair Adhesive Component B
Product code	Ford Internal Ref.: 135570
SDS Number	7646
Product use	Professional use

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

Relevant identified uses	adhesives
Uses advised against	Unknown

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

Supplier	Distributor
Ford-Werke GmbH	Ford Motor Company Ltd.
Edsel-Ford-Str. 2-14	Parts Distribution Centre
50769 Cologne	Royal Oak Way South
Germany	NN11 8NT Daventry, Northants
+49 221 90-33333	United Kingdom
sdseu@ford.com	+44 1327 305 198

#### 1.4. Emergency telephone number

+49 (0) 6132-84463 (GBK GmbH – 24/7)

### 2. SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008

Health hazards			
Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Respiratory sensitisation, Category 1  Skin sensitisation, Category 1 Carcinogenicity, Category 2 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation  Specific target organ toxicity — Repeated exposure, Category 2	Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
	Serious eye damage/eye irritation, Category 2	H319	Causes serious eye irritation.
	Respiratory sensitisation, Category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	Skin sensitisation, Category 1	H317	May cause an allergic skin reaction.
	Carcinogenicity, Category 2	H351	Suspected of causing cancer.
	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	H335	May cause respiratory irritation.
	Specific target organ toxicity — Repeated exposure, Category 2	H373	May cause damage to organs through prolonged or repeated exposure (inhalation).

## 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008

Hazard pictograms



Signal word

Danger

Contains

4,4'-methylenediphenyl diisocyanate; o-(p-isocyanatobenzyl)phenyl isocyanate; 2,2'-methylenediphenyl diisocyanate; Diphenylmethane diisocyanate, isomers and homologues

Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
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 (inhalation).

Precautionary statements

Prevention

P201	Obtain special instructions before use.
P261	Avoid breathing dust, fume, gas, mist, spray, vapours.
P280	Wear protective gloves, protective clothing, eye protection, face protection.

Response

P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER, doctor.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.

Supplemental hazard information

Extra phrases	As from 24 August 2023 adequate training is required before industrial or professional use.
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## 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

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

### 3.2. Mixtures

Chemical name	CAS- No EC- No Index No RRN	%	Classification according to Regulation (EC) No. 1272/2008	Notes
4,4'-methylenediphenyl diisocyanate	101-68-8 202-966-0 615-005-00-9 01-2119457014-47-XXXX	10 - 20	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	( 0.1 ≤C ≤ 100) Resp. Sens. 1, H334 ( 5 ≤C ≤ 100) Eye Irrit. 2, H319 ( 5 ≤C ≤ 100) Skin Irrit. 2, H315 ( 5 ≤C ≤ 100) STOT SE 3, H335 (Note C)(Note 2 )

Chemical name	CAS- No EC- No Index No RRN	%	Classification according to Regulation (EC) No. 1272/2008	Notes
Diphenylmethane diisocyanate, isomers and homologues	9016-87-9 618-498-9	10 - 20	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	( 0.1 ≤C ≤ 100) Resp. Sens. 1, H334 ( 5 ≤C ≤ 100) Eye Irrit. 2, H319 ( 5 ≤C ≤ 100) Skin Irrit. 2, H315 ( 5 ≤C ≤ 100) STOT SE 3, H335
o-(p-isocyanatobenzyl)phenyl isocyanate	5873-54-1 227-534-9 615-005-00-9 01-2119480143-45-XXXX	1 - < 5	Carc. 2, H351 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315 Resp. Sens. 1, H334 Skin Sens. 1, H317	( 0.1 ≤C ≤ 100) Resp. Sens. 1, H334 ( 5 ≤C ≤ 100) Eye Irrit. 2, H319 ( 5 ≤C ≤ 100) Skin Irrit. 2, H315 ( 5 ≤C ≤ 100) STOT SE 3, H335 (Note C)(Note 2 )
2,2'-methylenediphenyl diisocyanate	2536-05-2 219-799-4 615-005-00-9 01-2119927323-43-XXXX	0,1 - < 1	Carc. 2, H351 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315 Resp. Sens. 1, H334 Skin Sens. 1, H317	( 0.1 ≤C ≤ 100) Resp. Sens. 1, H334 ( 5 ≤C ≤ 100) Eye Irrit. 2, H319 ( 5 ≤C ≤ 100) Skin Irrit. 2, H315 ( 5 ≤C ≤ 100) STOT SE 3, H335 (Note C)(Note 2 )

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.

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.

Full text of H-statements: see section 16

## 4. SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### Inhalation

Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

#### Skin contact:

Wash skin with plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

#### Eyes contact

Remove contact lenses, if present and easy to do. Continue rinsing. Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Consult an ophthalmologist if irritation persists.

#### Ingestion

Rinse mouth thoroughly. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

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

#### Symptoms/effects:

Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

<b>Symptoms/effects after inhalation</b>	May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Shortness of breath.
<b>Symptoms/effects after skin contact</b>	Causes skin irritation. May cause an allergic skin reaction. Redness. Skin rash/inflammation.
<b>Symptoms/effects after eye contact</b>	Causes serious eye irritation. Conjunctivitis.

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

Treat symptomatically.

### 5. SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Foam. Dry chemical, CO <sub>2</sub> , dry sand, or alcohol-resistant foam.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Hazardous combustion products</b>	During fire, gases hazardous to health may be formed. Carbon oxides (CO, CO <sub>2</sub> ).
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#### 5.3. Advice for firefighters

<b>Precautionary measures fire</b>	Cool containers exposed to heat with water spray and remove container, if no risk is involved.
<b>Firefighting instructions</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>Protection during firefighting</b>	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6. SECTION 6: Accidental release measures

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

##### For non-emergency personnel

<b>Protective equipment</b>	Wear appropriate protective equipment and clothing during clean-up. For further information refer to section 8: "Exposure controls/personal protection".
<b>Emergency procedures</b>	Keep people away from and upwind of spill/leak. Keep unnecessary personnel away. Ventilate spillage area. Wear appropriate protective equipment and clothing during clean-up. Local authorities should be advised if significant spillages cannot be contained.

##### For emergency responders

<b>Protective equipment</b>	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
<b>Emergency procedures</b>	Keep unnecessary personnel away.

#### 6.2. Environmental precautions

Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground. Prevent further leakage or spillage if safe to do so. Inform appropriate managerial or supervisory personnel of all environmental releases.

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

<b>For containment</b>	Stop the flow of material, if this is without risk. Move containers from fire area if it can be done without personal risk.
<b>Methods for cleaning up</b>	Mechanically recover the product.
<b>Other information</b>	Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13: "Disposal considerations".

### 7. SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Precautions for safe handling

Ensure good ventilation of the work station. Avoid release to the environment. Avoid contact with skin, eyes and clothing. Wear appropriate personal protective equipment. Protect material from direct sunlight. Observe good industrial hygiene practices.

##### Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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

##### Storage conditions

Store tightly closed in a dry, cool and well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

##### Storage temperature

10 – 25 °C

#### 7.3. Specific end use(s)

adhesives.

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

#### 8.1. Control parameters

##### United Kingdom

Regulation	Substance	Type	Value
EH40. HSE	<b>Calcium carbonate (471-34-1)</b> Calcium carbonate	WEL TWA (OEL TWA) [1]	10 mg/m <sup>3</sup> inhalable dust 4 mg/m <sup>3</sup> respirable 4 mg/m <sup>3</sup> Limestone, respirable 10 mg/m <sup>3</sup> Limestone, total inhalable 4 mg/m <sup>3</sup> Marble, respirable 10 mg/m <sup>3</sup> Marble, total inhalable
		WEL TWA (OEL TWA) [2]	4 mg/m <sup>3</sup> respirable
EH40/2005 (Third edition, 2018). HSE	<b>Iso cyanates, all (as -NCO)</b> Iso cyanates	WEL TWA (OEL TWA) [1]	0.02 mg/m <sup>3</sup> all (as -NCO) Except methyl isocyanate
		WEL STEL (OEL STEL)	0.07 mg/m <sup>3</sup> all (as -NCO) Except methyl isocyanate
		Remark (WEL)	Sen (Capable of causing occupational asthma)
	<b>Limestone (1317-65-3)</b> Calcium carbonate (Limestone, Marble)	WEL TWA (OEL TWA) [1]	10 mg/m <sup>3</sup> total inhalable 4 mg/m <sup>3</sup> respirable
		<b>Di-"isononyl" phthalate (28553-12-0)</b> Diisononyl phthalate	WEL TWA (OEL TWA) [1]

##### **DNEL: Derived no effect level**

No data available

Components	Type	Route	Value	Form
4,4'-methylenediphenyl diisocyanate (101-68-8)	Worker	Inhalation	0.1 mg/m <sup>3</sup>	Acute - local effects
		Inhalation	0.05 mg/m <sup>3</sup>	Long-term - local effects
	Consumer	Inhalation	0.05 mg/m <sup>3</sup>	Acute - local effects
		Inhalation	0.025 mg/m <sup>3</sup>	Long-term - local effects

o-(p-isocyanatobenzyl)phenyl isocyanate (5873-54-1)	Worker	Inhalation	0.1 mg/m <sup>3</sup>	Acute - local effects
		Inhalation	0.05 mg/m <sup>3</sup>	Long-term - local effects
	Consumer	Inhalation	0.05 mg/m <sup>3</sup>	Acute - local effects
		Inhalation	0.025 mg/m <sup>3</sup>	Long-term - local effects
2,2'-methylenediphenyl diisocyanate (2536-05-2)	Worker	Inhalation	0.1 mg/m <sup>3</sup>	Acute - local effects
		Inhalation	0.05 mg/m <sup>3</sup>	Long-term - local effects
	Consumer	Inhalation	0.05 mg/m <sup>3</sup>	Acute - local effects
		Inhalation	0.025 mg/m <sup>3</sup>	Long-term - local effects

**PNEC: Predicted no effect concentration**

No data available

Components	Type	Route	Value	Form
4,4'-methylenediphenyl diisocyanate (101-68-8)	Not applicable	Freshwater	1 mg/l	
		Seawater	0.1 mg/l	
		Freshwater	10 mg/l	Intermittent release
		Soil	1 mg/kg dwt	
		STP	1 mg/l	
o-(p-isocyanatobenzyl)phenyl isocyanate (5873-54-1)	Not applicable	Freshwater	1 mg/l	
		Seawater	0.1 mg/l	
		Freshwater	10 mg/l	Intermittent release
		Soil	1 mg/kg dwt	
		STP	1 mg/l	
2,2'-methylenediphenyl diisocyanate (2536-05-2)	Not applicable	Freshwater	1 mg/l	
		Seawater	0.1 mg/l	
		Freshwater	10 mg/l	Intermittent release
		Soil	1 mg/kg dwt	
		STP	1 mg/l	

## 8.2. Exposure controls

### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level

### Materials for protective clothing

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment

### Individual protection measures, such as personal protective equipment (PPE)

#### Eye protection

Safety glasses with side shields. EN 166.

#### Skin protection

##### Hand protection

The recommendation is only valid for the supplied product and the stated application. Special working conditions, like heat or mechanical strain, which deviate from the test conditions, can reduce the protective effect provided by the recommended glove. EN 374

Material	Permeation	Thickness (mm)	Comments
Nitrile rubber (NBR)	6 (> 480 minutes)	0.4	Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.
In case of splash contact: Nitrile rubber (NBR)	6 (> 480 minutes)	0.4	Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.

<b>Other protective measures</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment. Dust production: dust mask with filter type P2. EN 14387
<b>Skin and body protection</b>	Wear suitable protective clothing, EN 14605, EN ISO 13982
<b>Thermal hazard protection</b>	Wear appropriate thermal protective clothing, when necessary.
<b>Environmental exposure controls</b>	Inform appropriate managerial or supervisory personnel of all environmental releases.

## 9. SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	Solid
<b>Appearance</b>	Paste.
<b>Colour</b>	Black.
<b>Odour</b>	earthy.
<b>Odour threshold</b>	No data available
<b>pH</b>	No data available
<b>Relative evaporation rate (butylacetate=1)</b>	No data available
<b>Melting point</b>	No data available
<b>Freezing point</b>	No data available
<b>Boiling point</b>	No data available
<b>Flash point</b>	> 110 °C >230 °F
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Relative vapour density at 20 °C</b>	No data available
<b>Relative density</b>	No data available
<b>Density</b>	1.7 g/cm <sup>3</sup> @ 20 °C (68 °F)
<b>Solubility</b>	Insoluble in: Alcohol.
<b>Log Pow</b>	No data available
<b>Viscosity, kinematic</b>	No data available
<b>Viscosity, dynamic</b>	26 – 32 Pa·s @ 20 °C (68 °F)
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Explosive limits</b>	No data available

### 9.2. Other information

<b>VOC (EU)</b>	0 %
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## 10. SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	Reacts with : Water. Alcohol. Amines.
<b>10.2. Chemical stability</b>	Stable under normal conditions of use.
<b>10.3. Possibility of hazardous reactions</b>	No additional information available.
<b>10.4. Conditions to avoid</b>	humidity. Above a temperature of. 250 °C.
<b>10.5. Incompatible materials</b>	Water. Amines. alcohols.

- 10.6. Hazardous decomposition products** On exposure to high temperature, may decompose, releasing : Isocyanates. Carbon dioxide is generated under contact with moisture, leading to pressure in the cans. Danger of cans bursting!.

## 11. SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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

#### Mixture

Name	Method	Type	Exposure route	Value	Unit	Species	Remarks
Repair Adhesive Component B	(calculated value)	ATE	Inhalation	> 5	mg//4h		dust, mist

#### Substance

Name	Method	Type	Exposure route	Value	Unit	Species	Remarks
Diphenylmethane diisocyanate, isomers and homologues (9016-87-9)	(acc. CLP 3.1.2)	ATE	Inhalation	11	mg//4h		vapours
4,4'-methylenediphenyl diisocyanate (101-68-8)	(acc. CLP 3.1.2)	ATE	Inhalation	11	mg//4h		vapours
	(acc. CLP 3.1.2)	ATE	Inhalation	1,5	mg//4h		dust, mist
o-(p-isocyanatobenzyl)phenyl isocyanate (5873-54-1)	(acc. CLP 3.1.2)	ATE	Inhalation	11	mg//4h		vapours
	(acc. CLP 3.1.2)	ATE	Inhalation	1,5	mg//4h		dust, mist
2,2'-methylenediphenyl diisocyanate (2536-05-2)	(acc. CLP 3.1.2)	ATE	Inhalation	11	mg//4h		vapours
	(acc. CLP 3.1.2)	ATE	Inhalation	1,5	mg//4h		dust, mist

**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 information** Persons suffering from allergic reactions to isocyanates should avoid contact with the product.

**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** May cause damage to organs through prolonged or repeated exposure (inhalation).

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

**Potential adverse human health effects and symptoms** Information on Effects: refer to section 4.

## 12. SECTION 12: Ecological information

### 12.1. Toxicity

**Ecology - general** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### 12.2. Persistence and degradability

No additional information available.



### 12.3. Bioaccumulative potential

No additional information available.

### 12.4. Mobility in soil

No additional information available.

### 12.5. Results of PBT and vPvB assessment

#### Repair Adhesive Component B

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

### 12.6. Other adverse effects

#### Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

## 13. SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Regional legislation (waste)

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose of in accordance with local regulations.

#### Waste treatment methods

Collect and reclaim or dispose in closed containers at licensed waste disposal site. Do not contaminate ponds, waterways or ditches with chemical or used container. Do not allow to enter drains or water courses. Dispose of contents/container in accordance with licensed collector's sorting instructions.

#### Product/Packaging disposal recommendations

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

#### Additional information

Dispose in accordance with all applicable regulations.

#### European List of Waste (LoW) code

08 04 09\*

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

waste adhesives and sealants containing organic solvents or other dangerous substances

15 01 10\*

packaging containing residues of or contaminated by dangerous substances

## 14. SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

Not regulated for transport

## 15. SECTION 15: Regulatory information

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

#### EU-Regulations

#### The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006

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Diphenylmethane diisocyanate, isomers and homologues

3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

4,4'-methylenediphenyl diisocyanate ; o-(p-isocyanatobenzyl)phenyl isocyanate ; 2,2'-methylenediphenyl diisocyanate

56. Methylenediphenyl diisocyanate (MDI)

4,4'-methylenediphenyl diisocyanate

56(a) Methylenediphenyl diisocyanate (MDI) isomers: 4,4'-Methylenediphenyl diisocyanate

o-(p-isocyanatobenzyl)phenyl isocyanate	56(b) Methylenediphenyl diisocyanate (MDI) isomers: 2,4'-Methylenediphenyl diisocyanate
2,2'-methylenediphenyl diisocyanate	56(c) Methylenediphenyl diisocyanate (MDI) isomers: 2,2'-Methylenediphenyl diisocyanate
4,4'-methylenediphenyl diisocyanate ; o-(p-isocyanatobenzyl)phenyl isocyanate ; 2,2'-methylenediphenyl diisocyanate	74. Diisocyanates, O = C=N-R-N = C=O, with R an aliphatic or aromatic hydrocarbon unit of unspecified length
Contains no substance on the REACH candidate list	
Contains no REACH Annex XIV substances	

<b>VOC (EU)</b>	0 %
<b>Other information, restriction and prohibition regulations</b>	Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended. Directive 92/85/EEC on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding as amended. Directive 94/33/EC on the protection of young people at work, as amended. For details, refer to section 3 and 8.
<b>Seveso Information</b>	Not applicable
<b>National regulations</b>	
No additional information available.	

## 15.2. Chemical safety assessment

No additional information available.

## 16. SECTION 16: Other information

### Indication of changes

Section 1 - Section 16.

### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AGW	Occupational exposure limit value
ATE	Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
BAM	Federal Institute for Materials Research and Testing, Germany
BAT	Maximum permissible concentration of biological working substances.
BCF	Bio-concentration factor.
BLV	Biological limit values
BLV	Biological limit values (BGW, Austria)
BMGV	Biological Monitoring Guidance Value (EH40,UK).
BOD5	Biochemical oxygen demand within 5 days
BOD	Biochemical oxygen demand
bw	Body weight.
calcd.	Calculated
CAS	Chemical Abstract Service.
CEN	European Committee for Standardization
CESIO	European Committee on Organic Surfactants and their Intermediates.
COD	Chemical oxygen demand
CLP	Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
CMR	Carcinogenic, Mutagenic or Reproduction Toxic Substances
CSA	Chemical safety assessment
CSR	Chemical Safety Report.

DMEL	Derived Minimum Effect Level.
DNEL	Derived no effect level
EAC	European waste catalogue
EC	European community
EC50	Effective concentration
EINECS	European Inventory of Existing Commercial Chemical Substances.
ELINCS	European List of Notified Chemical Substances.
EN	European norm.
ERC	ERC (Environmental Release category)
EU	European Union
GLP	Good Laboratory Practice.
GHS	Globally Harmonized System of Classification and Labeling of Chemicals.
GW/VL	Occupational exposure limit value.
GW-kw/VL-cd	Occupational exposure limit value - short term.
GW-M/VL-M	Occupational exposure limit value – "Ceiling".
IATA	International Air Transport Association
IBC code	International Bulk Chemical (Code) (International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk).
ICAO	International Civil Aviation Organization
IC50	Inhibition Concentration 50%.
IECSC	Inventory of Existing Chemical Substances in China.
IMDG	International Maritime Dangerous Goods
ISO	International Standards Organization.
IUPAC	International Union of Pure and Applied Chemistry
LC50	Lethal Concentration 50%.
LCLo	Lowest published lethal concentration.
LD50	Lethal Dose 50%.
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest observable effect concentration.
LOEL	Lowest observable effect level.
LQ	Limited quantities
TRK-Kzw	Threshold limit value - Short-term exposure limit / Technical reference concentration - short-time value, Austria.
MAK-Mow	Maximum allowable workplace concentration – instantaneous value, Austria.
MAK-Tmw, TRK-Tmw	Maximum allowable workplace concentration – daily mean value / Technical standard concentration – daily mean value, Austria.
MAK	Threshold limit values Germany.
MARPOL	International Convention for the Prevention of Pollution from Ships.
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
NOEL	no-observed-effect level
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limits
PBT	Persistent Bioaccumulative Toxic
PC (Chemical product category)	PC (Chemical product category)

PNEC	Predicted No-Effect Concentration
POCP	Photochemical ozone creation potential.
POP	Persistent Organic Pollutants
PPE	Personal protective equipment
Process category	Process category
REACH	Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals).
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL	Specific concentration limit.
STEL	Short-term Exposure Limit
STP	Sewage treatment plant
SU (Sector of use)	SU (Sector of use)
SVHC	Substance of Very High Concern.
TLV	Threshold Limit Value
TRGS	Technical Rules for Hazardous Substances (German Standard).
TWA	Time Weighted Average
UVCB	Substances of Unknown or Variable composition, Complex reaction products or Biological materials
VbF	Ordinance on Flammable Liquids, Austria
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
WEL-TWA	Workplace Exposure Limit-Long term exposure limit (8-hour TWA(=time weighted average)reference period).
WEL-STEL	Workplace Exposure Limit-Short term exposure limit (15-minute reference period).

**Data sources** REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006..

**Training advice** Normal use of this product shall imply use in accordance with the instructions on the packaging

#### Full text of H- and EUH-statements

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Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4.
Carc. 2	Carcinogenicity, Category 2.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2.
Resp. Sens. 1	Respiratory sensitisation, Category 1.
Skin Irrit. 2	Skin corrosion/irritation, Category 2.
Skin Sens. 1	Skin sensitisation, Category 1.
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2.
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation.
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..

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008  
[CLP]**

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Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Resp. Sens. 1	H334	Calculation method
Skin Sens. 1	H317	Calculation method
Carc. 2	H351	Calculation method
STOT SE 3	H335	Calculation method
STOT RE 2	H373	Calculation method

*The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.*

Attachment to the Safety Data Sheet



**Product Name:** Repair Adhesive Component B

**Ford Int. Ref. No.:** 135570

REVISION DATE: 11.03.2021

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**Involved Products:**

<b>Finiscode</b>	<b>Part number</b>	<b>Container Size:</b>
1	BU7J M2G376 CA	25 ml
<b>Part of Kit:</b> 1 737 528	BU7J M2G376 AA	Repair Adhesive Kit – 2 Component