



CLINCHED FLANGE SEALER

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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

1.1. Product identifier

Trade name	Clinched Flange Sealer
Product code	Ford Internal Ref: 102972
SDS Number	8046
Product use	Professional use

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

Relevant identified uses	
Use of the substance/mixture	Adhesives, sealants
Uses advised against	No additional information available.

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	Respiratory sensitisation, Category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
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2.2. Label elements

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

Hazard pictograms



Signal word

Danger

Contains

4,4'-methylenediphenyl diisocyanate; 4,4'-methylenediphenyl diisocyanate, oligomers; methylenediphenyl diisocyanate

Hazard statements

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

Precautionary statements

Prevention

P261	Avoid breathing mist, vapours.
P284	In case of inadequate ventilation wear respiratory protection.
Response	
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342+P311	If experiencing respiratory symptoms: Call a doctor, a POISON CENTER.

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
Xylene	1330-20-7 215-535-7 601-022-00-9 01-2119488216-32-XXXX	1 - < 5	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315	# (Note C)
ethylbenzene	100-41-4 202-849-4 601-023-00-4 01-2119489370-35-XXXX	1 - < 5	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	#
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	246538-76-1 918-167-1 01-2119472146-39	1 - < 3	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 4, H413	
methylenediphenyl diisocyanate	26447-40-5 247-714-0 615-005-00-9	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)
4,4'-methylenediphenyl diisocyanate	101-68-8 202-966-0 615-005-00-9 01-2119457014-47-XXXX	0.1 - < 0.5	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	(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
dibutyltin dilaurate	77-58-7 201-039-8 050-030-00-3 01-2119496068-27	0,1 - < 0,3	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Skin Sens. 1, H317 Muta. 2, H341 Repr. 1B, H360FD STOT SE 1, H370 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
4,4'-methylenediphenyl diisocyanate, oligomers	25686-28-6 500-040-3 615-005-00-9	0.1 - < 0.2	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) Skin Irrit. 2, H315 (5 ≤ C ≤ 100) Eye Irrit. 2, H319 (5 ≤ C ≤ 100) STOT SE 3, H335 (Note 2)(Note C)

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.

#: substance with a Community workplace exposure limit

Full text of H-statements: see section 16

4. SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Call a poison center or a doctor if you feel unwell.

Inhalation

Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.

Skin contact:

Wash skin with plenty of water.

Eyes contact

Rinse eyes with water as a precaution. If eye irritation persists: Get medical advice/attention.

Ingestion

Drink 1 or 2 glasses of water. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.

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

Treat symptomatically.

5. SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions Use water spray or fog for cooling exposed containers. In case of fire: stop leak if safe to do so.

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

6. SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures Ventilate spillage area. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

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. Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

For containment Stop leak without risks if possible.

Methods for cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small spills: Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use.

Other information 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 further information refer to section 13.

7. SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures 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 Keep away from ignition sources. Keep container tightly closed. Keep container closed when not in use. Store in dry protected location to prevent any moisture contact.

Storage temperature 15 – 25 °C

7.3. Specific end use(s) Sealants.

8. SECTION 8: Exposure controls/personal protection

8.1. Control parameters

EU

Regulation	Substance	Type	Value
COMMISSION	Xylene (1330-20-7)	IOELV TWA	221 mg/m ³

EUDIRECTIVE
2000/39/EC

Xylene, mixed isomers, pure

IOELV TWA

50 ppm

IOELV STEL

442 mg/m³

IOELV STEL

100 ppm

Notes

Skin

ethylbenzene (100-41-4)

Ethylbenzene

IOELV TWA

442 mg/m³

IOELV TWA

100 ppm

IOELV STEL

884 mg/m³

IOELV STEL

200 ppm

Notes

Skin

United Kingdom

Regulation	Substance	Type	Value
EH40. HSE	Xylene (1330-20-7) Xylene	WEL TWA	220 mg/m ³ o-,m-,p- or mixed isomers
		WEL TWA	50 ppm o-,m-,p- or mixed isomers
		WEL STEL	441 mg/m ³ o-,m-,p- or mixed isomers
		WEL STEL	100 ppm o-,m-,p- or mixed isomers
		Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)
EH40/2005 (Fourth edition, 2020). HSE	Titanium dioxide (13463-67-7) Titanium dioxide	WEL TWA	4 mg/m ³ respirable 10 mg/m ³ total inhalable
		WEL TWA	10 mg/m ³ inhalable
	Di-"isononyl" phthalate (28553-12-0) Diisononyl phthalate	WEL TWA	5 mg/m ³
	ethylbenzene (100-41-4) Ethylbenzene	WEL TWA	441 mg/m ³
		WEL TWA	100 ppm
		WEL STEL	552 mg/m ³
		WEL STEL	125 ppm
		Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
EH40/2005 (Third edition, 2018). HSE	methylenediphenyl diisocyanate (26447-40-5) Isocyanates	WEL TWA	0.02 mg/m ³ all (as –NCO) Except methyl isocyanate
		WEL STEL	0.07 mg/m ³ all (as –NCO) Except methyl isocyanate
		Remark (WEL)	Sen (Capable of causing occupational asthma)
	Ethene, chloro-, homopolymer (9002-86-2) Polyvinyl chloride	WEL TWA	10 mg/m ³ inhalable dust 4 mg/m ³ respirable dust
	Limestone (1317-65-3) Calcium carbonate (Limestone, Marble)	WEL TWA	10 mg/m ³ total inhalable 4 mg/m ³ respirable
	Isocyanates, all (as -NCO) Isocyanates	WEL TWA	0.02 mg/m ³ all (as –NCO) Except methyl isocyanate
		WEL STEL	0.07 mg/m ³ all (as –NCO) Except methyl isocyanate
		Remark (WEL)	Sen (Capable of causing occupational asthma)

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 ³	Acute - local effects
		Inhalation	0.05 mg/m ³	Long-term - local effects
	Consumer	Inhalation	0.05 mg/m ³	Acute - local effects
		Inhalation	0.025 mg/m ³	Long-term - local effects
4,4'-methylenediphenyl diisocyanate, oligomers (25686-28-6)	Worker	Inhalation	0.1 mg/m ³	Acute - local effects
		Inhalation	0.05 mg/m ³	Long-term - local effects
	Consumer	Inhalation	0.05 mg/m ³	Acute - local effects
		Inhalation	0.025 mg/m ³	Long-term - local effects
Xylene (1330-20-7)	Worker	Inhalation	289 mg/m ³	Acute - systemic effects
		Dermal	180 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	77 mg/m ³	Long-term - systemic effects
	Consumer	Inhalation	289 mg/m ³	Long-term - local effects
		Inhalation	174 mg/m ³	Acute - systemic effects
		Inhalation	174 mg/m ³	Acute - local effects
		Oral	1.6 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	14.8 mg/m ³	Long-term - systemic effects
		Dermal	108 mg/kg bodyweight/day	Long-term - systemic 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	Intermittent release
		Seawater	0.1 mg/l	
		Freshwater	10 mg/l	
		Soil	1 mg/kg dw	
		STP	1 mg/l	
4,4'-methylenediphenyl diisocyanate, oligomers (25686-28-6)	Not applicable	Freshwater	1 mg/l	Intermittent release
		Seawater	0.1 mg/l	
		Freshwater	10 mg/l	
		Soil	1 mg/kg dw	
		STP	1 mg/l	
Xylene (1330-20-7)	Not applicable	Freshwater	0.327 mg/l	Intermittent release Freshwater Seawater
		Seawater	0.327 mg/l	
		Freshwater	0.327 mg/l	
		sediment	12.46 mg/kg dw	
		sediment	12.46 mg/kg dw	
		Soil	2.31 mg/kg dw	
		STP	6.58 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. 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

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

Other protective measures

Wear suitable protective clothing.

Respiratory protection

[In case of inadequate ventilation] wear respiratory protection.

Device	Filter type	Condition	Comments
Full face mask	Filter P (white)	Dust protection	EN 14387

Skin and body protection

Wear suitable protective clothing

Thermal hazard protection

Wear appropriate thermal protective clothing, when necessary.

Environmental exposure controls

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases.

Consumer exposure controls

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.

9. SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	Solid
Appearance	Paste.
Colour	white.
Odour	solvents-like.
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	Not applicable
Boiling point	No data available
Flash point	Not applicable
Auto-ignition temperature	> 200 °C
Decomposition temperature	No data available
Flammability (solid, gas)	Non flammable.
Vapour pressure	< 100 hPa @ 20°C
Relative vapour density at 20 °C	No data available
Relative density	Not applicable
Density	1.19 g/cm³ @ 20°C
Solubility	insoluble in water.
Log Pow	No data available
Viscosity, kinematic	Not applicable
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	Not applicable
Lower explosive limit (LEL)	0.1 vol %

	Upper explosive limit (UEL)	7.6 vol %
9.2.	Other information	
	VOC (EU)	12 %
10.	SECTION 10: Stability and reactivity	
10.1.	Reactivity	Reacts with water. Possible pressure build-up.
10.2.	Chemical stability	Stable under normal conditions.
10.3.	Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
10.4.	Conditions to avoid	humidity.
10.5.	Incompatible materials	alcohols. Amines. Water.
10.6.	Hazardous decomposition products	On exposure to high temperature, may decompose, releasing : Nitrogen oxides. Hydrogen chloride. Sulphur oxides. 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
Clinched Flange Sealer		ATE	Dermal	> 2000	mg/kg		(calculated value)
		ATE	Inhalation	> 5	mg/l/4h		(calculated value)

Substance

Name	Method	Type	Exposure route	Value	Unit	Species	Remarks
4,4'-methylenediphenyl diisocyanate, oligomers (25686-28-6)	(acc. CLP 3.1.2)	ATE	Inhalation	11	mg/l/4h		vapours
Xylene (1330-20-7)		LD50	Dermal	> 1700	mg/kg	rabbit	
		LC50	Inhalation	11	mg/l/4h	rat	
ethylbenzene (100-41-4)	(acc. CLP 3.1.2)	ATE	Inhalation	11	mg/l/4h		vapours
dibutyltin dilaurate (77-58-7)		ATE	oral	500	mg/kg		

Skin corrosion/irritation Based on available data, the classification criteria are not met.

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

Respiratory or skin sensitisation May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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

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

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

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

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

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

Xylene (1330-20-7)

Persistence and degradability	Readily biodegradable, according to appropriate OECD test.
Biodegradation	> 60 % (OECD 301A-F method)

12.3. Bioaccumulative potential

Xylene (1330-20-7)

Bioconcentration factor (BCF REACH)	7days; Oncorhynchus mykiss (Rainbow trout)
Log Pow	3.12

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

Clinched Flange Sealer

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

No additional information available.

13. SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)

Dispose of in accordance with local regulations.

Waste treatment methods

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). Collect and reclaim or dispose in closed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations

Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.

Product/Packaging disposal recommendations

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

European List of Waste (LoW) code

	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances
15 01 06	mixed packaging

14. SECTION 14: Transport information

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

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

Xylene ; ethylbenzene	3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008
Xylene ; ethylbenzene ; Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	3(a) 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 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
4,4'-methylenediphenyl diisocyanate, oligomers ; Xylene ; ethylbenzene ; dibutyltin dilaurate ; Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	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
ethylbenzene ; dibutyltin dilaurate ; Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	3(c) 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 class 4.1
dibutyltin dilaurate	30. Substances which are classified as reproductive toxicant category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 5 or Appendix 6, respectively.
Xylene ; ethylbenzene ; Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.
4,4'-methylenediphenyl diisocyanate ; methylenediphenyl diisocyanate	56. Methylenediphenyl diisocyanate (MDI)
4,4'-methylenediphenyl diisocyanate	56(a) Methylenediphenyl diisocyanate (MDI) isomers: 4,4'-Methylenediphenyl diisocyanate
Contains no substance on the REACH candidate list	
Contains no REACH Annex XIV substances	

VOC (EU)

12 %

Other information, restriction and prohibition regulations

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. 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. For details, refer to section 3 and 8.

Seveso Information

Not applicable

National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

16. SECTION 16: Other information

Indication of changes

Composition/information on ingredients.

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

Other information

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 product information 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 product information sheet is not necessarily valid for the new made-up material..

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

Resp. Sens. 1	H334
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Full text of H- and EUH-statements

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4.
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4.
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4.
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4.
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1.
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1.
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3.
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4.
Asp. Tox. 1	Aspiration hazard, Category 1.
Carc. 2	Carcinogenicity, Category 2.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2.
Flam. Liq. 2	Flammable liquids, Category 2.
Flam. Liq. 3	Flammable liquids, Category 3.
Muta. 2	Germ cell mutagenicity, Category 2.
Repr. 1B	Reproductive toxicity, Category 1B.
Resp. Sens. 1	Respiratory sensitisation, Category 1.
Skin Corr. 1C	Skin corrosion/irritation, Category 1C.
Skin Irrit. 2	Skin corrosion/irritation, Category 2.
Skin Sens. 1	Skin sensitisation, Category 1.
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1.
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2.
STOT SE 1	Specific target organ toxicity — single exposure, Category 1.
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation.
H225	Highly flammable liquid and vapour..
H226	Flammable liquid and vapour..
H302	Harmful if swallowed..
H304	May be fatal if swallowed and enters airways..
H312	Harmful in contact with skin..
H314	Causes severe skin burns and eye damage..
H315	Causes skin irritation..
H317	May cause an allergic skin reaction..
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..
H341	Suspected of causing genetic defects..

H351	Suspected of causing cancer..
H360FD	May damage fertility. May damage the unborn child..
H370	Causes damage to organs..
H372	Causes damage to organs through prolonged or repeated exposure..
H373	May cause damage to organs through prolonged or repeated exposure..
H400	Very toxic to aquatic life..
H410	Very toxic to aquatic life with long lasting effects..
H412	Harmful to aquatic life with long lasting effects..
H413	May cause long lasting harmful effects to aquatic life..

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

Resp. Sens. 1	H334	Calculation method
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Attachment to the Safety Data Sheet



Product Name: Clinched Flange Sealer

Ford Int. Ref. No.: 102972

REVISION DATE: 09.04.2020

Involved Products:

	Finiscode	Part number	Container Size:
.	1 1 790 195	1S5J M4G245 AB	310 ml