



# TYRE SEALANT

## SAFETY DATA SHEET

according to Regulation (EU) 2015/830

ISSUE DATE: 16.09.2014  
REVISION DATE: 26.07.2018  
SUPERSEDES DATE: 16.09.2014  
**VERSION: 3.0**

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

#### 1.1. Product identifier

Trade name	Tyre Sealant
Product code	Ford Internal Ref.: 157083
SDS Number	7536
Product use	Public use

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

Relevant identified uses	Tyre Sealant
Uses advised against	No additional information available.

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

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

<b>Health hazards</b>	Specific target organ toxicity — Repeated exposure, Category 2	H373	May cause damage to organs (kidneys) through prolonged or repeated exposure (oral).
-----------------------	---	------	---

May cause damage to organs (kidneys) through prolonged or repeated exposure (oral)

#### 2.2. Label elements

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

Hazard pictograms



<b>Signal word</b>	Warning
<b>Contains</b>	Ethandiol

**Hazard statements**

H373	May cause damage to organs (kidneys) through prolonged or repeated exposure (oral).
------	---

**Precautionary statements**

**General**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
<b>Prevention</b>	
P260	Do not breathe vapours, mist.
<b>Response</b>	
P314	Get medical advice/attention if you feel unwell
<b>Disposal</b>	
P501	Dispose of contents and container to an approved waste disposal plant.

### 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
Ethandiol	107-21-1 203-473-3 603-027-00-1 01-2119456816-28-XXXX	10 - 25	Acute Tox. 4 (Oral), H302 STOT RE 2, H373	#
ammonia	1336-21-6 215-647-6 007-001-01-2	0.1 - 0.25	Skin Corr. 1B, H314 Aquatic Acute 1, H400	(C >= 5) STOT SE 3, H335 (Note B)

Note B : Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis

#: 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

<b>General information</b>	Get medical advice/attention if you feel unwell.
<b>Inhalation:</b>	Remove person to fresh air and keep comfortable for breathing.
<b>Skin contact:</b>	Wash skin with plenty of water.
<b>Eyes contact</b>	Rinse eyes with water as a precaution.
<b>Ingestion</b>	Call a poison center or a doctor if you feel unwell.

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

No additional information available.

### 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** Water spray. Dry powder. Foam. Carbon dioxide.

<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>5.2. Special hazards arising from the substance or mixture</b>	
<b>Hazardous combustion products</b>	Toxic fumes may be released. Carbon monoxide. nitrogen oxides (NOx) and sulphur oxides.
<b>5.3. Advice for firefighters</b>	
<b>Firefighting instructions</b>	Cool containers exposed to heat with water spray and remove container, if no risk is involved.
<b>Protection during firefighting</b>	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
<b>Other information</b>	Do not allow run-off from fire fighting to enter drains or water courses.
<b>6. SECTION 6: Accidental release measures</b>	
<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	
<b>General measures</b>	During fire, gases hazardous to health may be formed.
<b>For non-emergency personnel</b>	
<b>Emergency procedures</b>	Ventilate spillage area. Do not breathe vapours, fume.
<b>For emergency responders</b>	
<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>6.2. Environmental precautions</b>	Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground.
<b>6.3. Methods and material for containment and cleaning up</b>	
<b>Methods for cleaning up</b>	Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Large Spills: Take up liquid spill into absorbent material. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).
<b>Other information</b>	Dispose of materials or solid residues at an authorized site. Never return spills in original containers for re-use.
<b>6.4. Reference to other sections</b>	For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13 : " Disposal considerations".
<b>7. SECTION 7: Handling and storage</b>	
<b>7.1. Precautions for safe handling</b>	
<b>Additional hazards when processed</b>	Do not get in eyes, on skin, or on clothing.
<b>Precautions for safe handling</b>	Ensure good ventilation of the work station. Wear personal protective equipment. Do not breathe vapours, fume.
<b>Hygiene measures</b>	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	
<b>Technical measures</b>	Proper grounding procedures to avoid static electricity should be followed.
<b>Storage conditions</b>	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
<b>Storage area</b>	Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

7.3. Specific end use(s) Sealants.

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

### 8.1. Control parameters

#### EU

Regulation	Substance	Type	Value
COMMISSION DIRECTIVE 2000/39/EC	<b>Ethandiol (107-21-1)</b> Ethylene glycol	IOELV TWA	52 mg/m <sup>3</sup> Vapours
		IOELV TWA	20 ppm Vapours
		IOELV STEL	104 mg/m <sup>3</sup> Vapours
		IOELV STEL	40 ppm Vapours
		Notes	Skin
	<b>ammonia (1336-21-6)</b> Ammonia, anhydrous	IOELV TWA	14 mg/m <sup>3</sup>
		IOELV TWA	20 ppm
		IOELV STEL	36 mg/m <sup>3</sup>
		IOELV STEL	50 ppm

#### United Kingdom

Regulation	Substance	Type	Value
EH40. HSE	<b>Propane-1,2-diol (57-55-6)</b>	WEL TWA	10 mg/m <sup>3</sup>
	<b>Ethandiol (107-21-1)</b> Ethane-1,2-diol	WEL TWA	52 mg/m <sup>3</sup> Vapours 10 mg/m <sup>3</sup> Particulates
		WEL TWA	20 ppm vapour
		WEL STEL	104 mg/m <sup>3</sup> vapour
		WEL STEL	40 ppm vapour
		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)
	<b>ammonia (1336-21-6)</b> Ammonia, anhydrous	WEL TWA	18 mg/m <sup>3</sup>
		WEL TWA	25 mg/m <sup>3</sup>
		WEL STEL	25 mg/m <sup>3</sup>
WEL STEL		35 ppm	

#### DNEL: Derived no effect level

No data available

#### PNEC: Predicted no effect concentration

No data available

### 8.2. Exposure controls

#### Appropriate engineering controls

Ensure good ventilation of the work station

#### Materials for protective clothing

Wear appropriate personal protective equipment

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

##### Eye protection

Use eye protection to EN 166, designed to protect against liquid splashes.

##### Skin protection

##### Hand protection

Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

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>	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. If the occupational exposure limit is exceeded: Wear a respirator conforming to EN140 with Type A filter or better
<b>Thermal hazard protection</b>	No additional information available.
<b>Environmental exposure controls</b>	Avoid release to the environment.

## 9. SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	Liquid
<b>Colour</b>	whitish.
<b>Odour</b>	Characteristic.
<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>	Not applicable
<b>Freezing point</b>	No data available
<b>Boiling point</b>	100 °C
<b>Flash point</b>	> 100 °C
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	Not applicable
<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>Solubility</b>	insoluble in water. partly miscible.
<b>Log Pow</b>	No data available
<b>Viscosity, kinematic</b>	No data available
<b>Viscosity, dynamic</b>	No data available
<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 %
-----------------	-----

## 10. SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	The product is non-reactive under normal conditions of use, storage and transport.
<b>10.2. Chemical stability</b>	Stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	No dangerous reactions known under normal conditions of use.
<b>10.4. Conditions to avoid</b>	No flames, no sparks. Eliminate all sources of ignition.
<b>10.5. Incompatible materials</b>	Strong oxidizing agents.

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

## 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
Tyre Sealant	(calculated value)	ATE	oral	> 2000	mg/kg		

#### Substance

Name	Method	Type	Exposure route	Value	Unit	Species	Remarks
Ethandiol (107-21-1)		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** Based on available data, the classification criteria are not met

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

**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

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

#### Tyre Sealant

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)** 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.

<b>Waste treatment methods</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with licensed collector's sorting instructions.
<b>Product/Packaging disposal recommendations</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
<b>Additional information</b>	Dispose in accordance with all applicable regulations.
<b>European List of Waste (LoW) code</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
15 01 10*	packaging containing residues of or contaminated by dangerous substances
16 03 05*	organic wastes containing dangerous substances
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances

## 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

ammonia	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
Tyre Sealant - Ethandiol - ammonia	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
Ethandiol - ammonia	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

Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

#### VOC (EU)

0 %

#### 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.

#### 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

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.
ATE	Acute Toxicity Estimate.
BCF	Bioconcentration factor.
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.
DMEL	Derived Minimal Effect level.
DNEL	Derived-No Effect Level.
EC50	Median effective concentration.
IATA	International Air Transport Association.
IMDG	International Maritime Dangerous Goods.
LC50	Median lethal concentration.
LOAEL	Lowest Observed Adverse Effect Level.
NOAEC	No-Observed Adverse Effect Concentration.
NOEC	No-Observed Effect Concentration.
OECD	Organisation for Economic Co-operation and Development.
PBT	Persistent Bioaccumulative Toxic.
PNEC	Predicted No-Effect Concentration.
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
SDS	Safety Data Sheet.
STP	Sewage treatment plant.
TLM	Median Tolerance Limit.
vPvB	Very Persistent and Very Bioaccumulative.
OEL	Occupational Exposure Limit.
RRN	REACH Registration no..
VOC	Volatile organic compounds.
STEL	Short-term Exposure Limit.

### 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..

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

---

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4.
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1.
Skin Corr. 1B	Skin corrosion/irritation, Category 1B.
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.

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

---

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:** Tyre Sealant  
**Ford Int. Ref. No.:** 157083

**Page:** 1/1  
**Print Date:** 26.07.2018

---

## Involved Products:

	<b>Finiscode</b>	<b>Part number</b>	<b>Container Size:</b>
1.	1 811 671	7U7J 1568 BA	450 ml
2.	2 303 872	7U7J 1568 CA	300 ml