PAINT PRIMER

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	Paint Primer
Product code	Ford Internal Ref.: 199713
SDS Number	329
Product use	Public use

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

Relevant identified uses	Primer
Uses advised against	None known

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

Physical hazards	Aerosol, Category 1	H222;H229	Extremely flammable aerosol. Pressurised container: May burst if heated.
Health hazards	Serious eye damage/eye irritation, Category 2	H319	Causes serious eye irritation.
	Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness.

2.2. Label elements

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

Hazard pictograms

Signal word	Danger
Contains	n-butyl acetate; butan-1-ol ; acetone; ethyl acetate
Hazard statements	
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
Precautionary statements	
General	
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing mist, vapours.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear eye protection.
Response	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a doctor, a POISON CENTER if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
Storage	
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Disposal	
P501	Dispose of contents/container to an approved waste disposal plant.
Supplemental hazard information	
EUH066	Repeated exposure may cause skin dryness or cracking.
Extra phrases	Without adequate ventilation formation of explosive mixtures may be possible.

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
acetone	67-64-1 200-662-2 606-001-00-8 01-2119471330-49-XXXX	25 - < 50	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	substance with a Community workplace exposure limit
Propane	74-98-6 200-827-9 601-003-00-5 01-2119486944-21-XXXX	10 - < 25	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	(Note U)

Chemical name	CAS- No EC- No Index No RRN	%	Classification according to Regulation (EC) No. 1272/2008	Notes
butane	106-97-8 203-448-7 601-004-00-0 01-2119474691-32-XXXX	5 - < 10	Flam. Gas 1A, H220 Press. Gas	(Note C)(Note U)
n-butyl acetate	123-86-4 204-658-1 607-025-00-1 01-2119485493-29-XXXX	1 - < 5	Flam. Liq. 3, H226 STOT SE 3, H336	
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9 607-195-00-7 01-2119475791-29-XXXX	1 - < 5	Flam. Liq. 3, H226	substance with a Community workplace exposure limit
isobutane	75-28-5 200-857-2 601-004-00-0 01-2119485395-27-XXXX	1 - < 5	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	(Note C)(Note U)
cellulose nitrate	9004-70-0	1 - < 5	Flam. Sol. 1, H228	
ethyl acetate	141-78-6 205-500-4 607-022-00-5	1 - < 5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	substance with a Community workplace exposure limit
ethanol	64-17-5 200-578-6 603-002-00-5 01-2119457610-43-XXXX	1 - < 2.5	Flam. Liq. 2, H225 Eye Irrit. 2, H319	(50 ≤C < 100) Eye Irrit. 2, H319
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 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304	substance with a Community workplace exposure limit (Note C)
Butyl glycollate	7397-62-8 230-991-7 01-2119514685-36-XXXX	0.1 - < 1	Eye Dam. 1, H318 Repr. 2, H361	

Chemical name	CAS- No EC- No Index No RRN	%	Classification according to Regulation (EC) No. 1272/2008	Notes
butan-1-ol	71-36-3 200-751-6 603-004-00-6 01-2119484630-38-XXXX	0.1 -< 1	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336	

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.

Note U(table 3.1) : When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

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

Skin contact: Wash skin with plenty of water.

Eyes contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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

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

Symptoms/effects: May cause drowsiness or dizziness.

Symptoms/effects after skin contact Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact Eye irritation.

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.

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

Fire hazard Extremely flammable aerosol.

Explosion hazard May form flammable/explosive vapour-air mixture. Pressurised container: May burst if heated.

Hazardous combustion products Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions Use standard firefighting procedures and consider the hazards of other involved materials.

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

Protective equipment	For personal protection, see section 8 of the SDS.
Emergency procedures	Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing mist, vapours. Avoid contact with skin and eyes.

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".
Emergency procedures	Keep unnecessary personnel away.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Mechanically recover the product. Ensure adequate ventilation. Do not flush with water.
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	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing vapours, mist. Avoid contact with skin and eyes. 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	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

Primer.

8. SECTION 8: Exposure controls/personal protection

8.1. Control parameters

EU

Regulation	Substance	Type	Value
COMMISSION DIRECTIVE (EU) 2017/164	**ethyl acetate (141-78-6)** Ethyl acetate	IOELV TWA	734 mg/m³
		IOELV TWA	200 ppm
		IOELV STEL	1468 mg/m³
		IOELV STEL	400 ppm
COMMISSION DIRECTIVE 2000/39/EC	**Xylene (1330-20-7)** Xylene, mixed isomers, pure	IOELV TWA	221 mg/m³
		IOELV TWA	50 ppm
		IOELV STEL	442 mg/m³
		IOELV STEL	100 ppm
		Notes	Skin
	2-methoxy-1-methylethyl	IOELV TWA	275 mg/m³

EU

	acetate (108-65-6) 2-Methoxy-1-methylethylacetate	IOELV TWA	50 ppm
		IOELV STEL	550 mg/m³
		IOELV STEL	100 ppm
		Notes	Skin
	acetone (67-64-1) Acetone	IOELV TWA	1210 mg/m³
		IOELV TWA	500 ppm
SCOEL Recommendations	**butan-1-ol (71-36-3)** n-Butyl alcohol	Notes	SCOEL Recommendations (Ongoing)

United Kingdom

Regulation	Substance	Type	Value
EH40. HSE	**Xylene (1330-20-7)** Xylene	WEL TWA	220 mg/m³ o-,m-,p- or mixed isomers
		WEL TWA	50 ppm o-,m-,p- or mixed isomers
		WEL STEL	441 mg/m³ 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)
	butan-1-ol (71-36-3) Butan-1-ol	WEL STEL	154 mg/m³
		WEL STEL	50 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)
	Limestone (1317-65-3) Calcium carbonate	WEL TWA	10 mg/m³ inhalable dust 4 mg/m³ respirable 4 mg/m³ Limestone, respirable 10 mg/m³ Limestone, total inhalable 4 mg/m³ Marble, respirable 10 mg/m³ Marble, total inhalable
	Talc (Mg3H2(SiO3)4) (14807-96-6) Talc	WEL TWA	1 mg/m³ respirable dust
	2-methoxy-1-methylethyl acetate (108-65-6) 1-Methoxypropyl acetate	WEL TWA	274 mg/m³
		WEL TWA	50 ppm
		WEL STEL	548 mg/m³
		WEL STEL	100 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)
	acetone (67-64-1) Acetone	WEL TWA	1210 mg/m³
		WEL TWA	500 ppm
		WEL STEL	3620 mg/m³
		WEL STEL	1500 ppm
	ethanol (64-17-5) Ethanol	WEL TWA	1920 mg/m³
		WEL TWA	1000 ppm
	ethyl acetate (141-78-6) Ethyl acetate	WEL TWA	200 ppm
		WEL STEL	400 ppm
	butane (106-97-8) Butane	WEL TWA	1450 mg/m³
		WEL TWA	600 ppm

United Kingdom

		WEL STEL	1810 mg/m³
		WEL STEL	750 ppm
		Remark (WEL)	Carc (Capable of causing cancer and/or heritable genetic damage. See paragraphs 49–51), (only applies if Butane contains more than 0.1% of buta-1,3-diene)
EH40/2005 (Third edition, 2018). HSE	**n-butyl acetate (123-86-4)** Butyl acetate	WEL TWA	724 mg/m³
		WEL TWA	150 ppm
		WEL STEL	966 mg/m³
		WEL STEL	200 ppm

EU

Regulation	Substance	Type	Value
COMMISSION DIRECTIVE 2000/39/EC	**Xylene (1330-20-7)** Xylene, mixed isomers, pure	IOELV TWA	221 mg/m³
		IOELV TWA	50 ppm
		IOELV STEL	442 mg/m³
		IOELV STEL	100 ppm
		Notes	Skin

United Kingdom

Regulation	Substance	Type	Value
EH40. HSE	**Xylene (1330-20-7)** Xylene	WEL TWA	220 mg/m³ o-,m-,p- or mixed isomers
		WEL TWA	50 ppm o-,m-,p- or mixed isomers
		WEL STEL	441 mg/m³ 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)
	Titanium dioxide (13463-67-7) Titanium dioxide	WEL TWA	4 mg/m³ respirable 10 mg/m³ total inhalable
		WEL TWA	10 mg/m³ inhalable

Monitoring methods

Follow standard monitoring procedures

DNEL: Derived no effect level

No data available

Components	Type	Route	Value	Form
ethylbenzene (100-41-4)	Worker	Inhalation	293 mg/m³	Acute - local effects
		Dermal	180 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	77 mg/m³	Long-term - systemic effects
	Consumer	Oral	1.6 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	15 mg/m³	Long-term - systemic effects
Xylene (1330-20-7)	Worker	Inhalation	289 mg/m³	Acute - systemic effects
		Dermal	180 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	77 mg/m³	Long-term - systemic effects
		Inhalation	289 mg/m³	Long-term - local effects
	Consumer	Inhalation	174 mg/m³	Acute - systemic effects
		Inhalation	174 mg/m³	Acute - local effects
		Oral	1.6 mg/kg bodyweight/day	Long-term - systemic effects

		Inhalation	14.8 mg/m³	Long-term - systemic effects
		Dermal	108 mg/kg bodyweight/day	Long-term - systemic effects
n-butyl acetate (123-86-4)	Worker	Dermal	11 mg/kg bodyweight/day	Acute - systemic effects
		Inhalation	600 mg/m³	Acute - systemic effects
		Inhalation	600 mg/m³	Acute - local effects
		Dermal	11 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	300 mg/m³	Long-term - systemic effects
		Inhalation	300 mg/m³	Long-term - local effects
	Consumer	Dermal	6 mg/kg bodyweight	Acute - systemic effects
		Inhalation	300 mg/m³	Acute - systemic effects
		Oral	2 mg/kg bodyweight	Acute - systemic effects
		Inhalation	300 mg/m³	Acute - local effects
		Oral	2 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	35.7 mg/m³	Long-term - systemic effects
		Dermal	6 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	35.7 mg/m³	Long-term - local effects
butan-1-ol (71-36-3)	Worker	Inhalation	310 mg/m³	Long-term - local effects
	Consumer	Oral	1.562 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	55.357 mg/m³	Long-term - systemic effects
		Dermal	3.125 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	155 mg/m³	Long-term - local effects
Butyl glycollate (7397-62-8)	Worker	Dermal	41.7 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	58.8 mg/m³	Long-term - systemic effects
	Consumer	Oral	4.2 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	17.4 mg/m³	Long-term - systemic effects
		Dermal	25 mg/kg bodyweight/day	Long-term - systemic effects
		Dermal	0.11 mg/cm²	Long-term - local effects
		Inhalation	17.4 mg/m³	Long-term - local effects
2-methoxy-1-methylethyl acetate (108-65-6)	Worker	Inhalation	550 mg/m³	Acute - local effects
		Dermal	796 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	275 mg/m³	Long-term - systemic effects
	Consumer	Oral	36 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	33 mg/m³	Long-term - systemic effects
		Dermal	320 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	33 mg/m³	Long-term - local effects
acetone (67-64-1)	Worker	Inhalation	2420 mg/m³	Acute - local effects
		Dermal	186 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	1210 mg/m³	Long-term - systemic effects
	Consumer	Oral	62 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	200 mg/m³	Long-term - systemic effects
		Dermal	62 mg/kg bodyweight/day	Long-term - systemic effects
ethanol (64-17-5)	Worker	Dermal	343 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	950 mg/m³	Long-term - systemic effects
		Inhalation	1900 mg/m³	Long-term - local effects
	Consumer	Oral	87 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	114 mg/m³	Long-term - systemic effects
		Dermal	206 mg/kg bodyweight/day	Long-term - systemic effects

		Inhalation	950 mg/m³	Long-term - local effects

PNEC: Predicted no effect concentration

No data available

Components	Type	Route	Value	Form
ethylbenzene (100-41-4)	Not applicable	Freshwater	0.1 mg/l	
		Seawater	0.01 mg/l	
		Freshwater	0.1 mg/l	Intermittent release
		sediment	13.7 mg/kg dwt	Freshwater
		sediment	1.37 mg/kg dwt	Seawater
		Soil	2.68 mg/kg dwt	
		Oral	20 mg/kg food	Secondary Poisoning
		STP	9.6 mg/l	
Xylene (1330-20-7)	Not applicable	Freshwater	0.327 mg/l	
		Seawater	0.327 mg/l	
		Freshwater	0.327 mg/l	Intermittent release
		sediment	12.46 mg/kg dwt	Freshwater
		sediment	12.46 mg/kg dwt	Seawater
		Soil	2.31 mg/kg dwt	
		STP	6.58 mg/l	
n-butyl acetate (123-86-4)	Not applicable	Freshwater	0.18 mg/l	
		Seawater	0.018 mg/l	
		Freshwater	0.36 mg/l	Intermittent release
		sediment	0.981 mg/kg dwt	Freshwater
		sediment	0.098 mg/kg dwt	Seawater
		Soil	0.09 mg/kg dwt	
		STP	35.6 mg/l	
butan-1-ol (71-36-3)	Not applicable	Freshwater	0.082 mg/l	
		Seawater	0.008 mg/l	
		Freshwater	2.25 mg/l	Intermittent release
		sediment	0.324 mg/kg dwt	Freshwater
		sediment	0.032 mg/kg dwt	Seawater
		Soil	0.017 mg/kg dwt	
		STP	2476 mg/l	
Butyl glycollate (7397-62-8)	Not applicable	Freshwater	0.05 mg/l	
		Seawater	0.005 mg/l	
		Freshwater	0.5 mg/l	Intermittent release
		sediment	0.203 mg/kg dwt	Freshwater
		sediment	0.02 mg/kg dwt	Seawater
		Soil	0.011 mg/kg dwt	
		STP	232 mg/l	
2-methoxy-1-methylethyl acetate (108-65-6)	Not applicable	Freshwater	0.635 mg/l	
		Seawater	0.064 mg/l	
		Freshwater	6.35 mg/l	Intermittent release
		sediment	3.29 mg/kg dwt	Freshwater
		sediment	0.329 mg/kg dwt	Seawater
		Soil	0.29 mg/kg dwt	
		STP	100 mg/l	

acetone (67-64-1)	Not applicable	Freshwater	10.6 mg/l	
		Seawater	1.06 mg/l	
		Freshwater	21 mg/l	Intermittent release
		sediment	30.4 mg/kg dwt	Freshwater
		sediment	3.04 mg/kg dwt	Seawater
		Soil	29.5 mg/kg dwt	
		STP	100 mg/l	
ethanol (64-17-5)	Not applicable	Freshwater	0.96 mg/l	
		Seawater	0.79 mg/l	
		Freshwater	2.75 mg/l	Intermittent release
		sediment	3.6 mg/kg dwt	Freshwater
		sediment	2.9 mg/kg dwt	Seawater
		Soil	0.63 mg/kg dwt	
		Oral	380 mg/kg food	Secondary Poisoning
		STP	580 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

Skin protection

Hand protection: Protective gloves. 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
Butyl rubber	6 (> 480 minutes)	0,7 mm	EN ISO 374 Glove recommendation: Butoject® 898 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.
In case of splash contact: Butyl rubber	6 (> 480 minutes)	0,7 mm	EN ISO 374 Glove recommendation: Butoject® 898 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.

Other protective 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.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Filter type. A-P2

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.

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	Liquid
Appearance	Aerosol.
Colour	According to product specification.
Odour	Characteristic.
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	-44.5 °C
Flash point	< 0 °C Without propellant gas
Auto-ignition temperature	365 °C
Decomposition temperature	No data available
Flammability (solid, gas)	Extremely flammable aerosol
Vapour pressure	3600 hPa @ 20°C
Relative vapour density at 20 °C	No data available
Relative density	No data available
Solubility	Poorly soluble in water.
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	In use, may form flammable/explosive vapour-air mixture. Pressurised container: May burst if heated.
Oxidising properties	Not applicable.
Lower explosive limit (LEL)	1.7 vol %
Upper explosive limit (UEL)	13 vol %

9.2. Other information

VOC (EU)	642 g/l

10. SECTION 10: Stability and reactivity

10.1.	**Reactivity**	The product is stable and non reactive under normal conditions of use, storage and transport.
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**	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
10.5.	**Incompatible materials**	Acids. alkalis. Oxidising 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
Paint Primer	(calculated value)	ATE	Dermal	> 2000	mg/kg		
	(calculated value)	ATE	Inhalation	> 5	mg/l/4h		aerosol

Substance

Name	Method	Type	Exposure route	Value	Unit	Species	Remarks
Xylene (1330-20-7)		LD50	Dermal	> 1700	mg/kg	rabbit	
		LC50	Inhalation	5000	ppm/4h	rat	
butan-1-ol (71-36-3)		ATE	oral	500	mg/kg		

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

Serious eye damage/irritation Causes serious eye irritation.

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 May cause drowsiness or dizziness.

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.

Hazardous to the aquatic environment, short-term (acute)

Substance / Product	Trophic level	Species	Type	Value	Duration	Remarks
butane (106-97-8)	Fish	Fish	LC50	27,98 mg/l	96 h	
	aquatic invertebrates	Daphnia magna	LC50	14,22 mg/l	48 h	
	algae	algae	EC50	7,71 mg/l	96 h	

12.2. Persistence and degradability

Paint Primer

Persistence and degradability No data available.

Xylene (1330-20-7)

Persistence and degradability Readily biodegradable, according to appropriate OECD test.

Biodegradation > 60 % (OECD 301A-F method)

ethanol (64-17-5)

Persistence and degradability (OECD 301D method). 80 % - 85 % biodegradation.

Propane (74-98-6)

Persistence and degradability Readily biodegradable.

butane (106-97-8)

Persistence and degradability Readily biodegradable.

12.3. Bioaccumulative potential

Paint Primer

Bioaccumulative potential No data available.

Xylene (1330-20-7)	
Bioconcentration factor (BCF REACH)	7days; Oncorhynchus mykiss (Rainbow trout)
Log Pow	3.12
n-butyl acetate (123-86-4)	
Log Pow	1.78
ethanol (64-17-5)	
Log Kow	-0.35 at 20 °C
Propane (74-98-6)	
Log Pow	1.09 – 2.8 @ 20 °C, pH 7
butane (106-97-8)	
Log Pow	1.09 – 2.8 @ 20 °C, pH 7

12.4. Mobility in soil

Paint Primer

Ecology - soil	No data available.

12.5. Results of PBT and vPvB assessment

Paint Primer

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

Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
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 01 11*	waste paint and varnish 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 / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR)	1950
UN-No. (IMDG)	1950
UN-No. (IATA)	1950
UN-No. (ADN)	1950
UN-No. (RID)	1950

14.2. UN proper shipping name

Proper Shipping Name (ADR)	AEROSOLS
Proper Shipping Name (IMDG)	AEROSOLS
Proper Shipping Name (IATA)	Aerosols, flammable
Proper Shipping Name (ADN)	AEROSOLS
Proper Shipping Name (RID)	AEROSOLS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	2.1
Danger labels (ADR)	2.1

IMDG

Transport hazard class(es) (IMDG)	2.1
Danger labels (IMDG)	2.1

IATA

Transport hazard class(es) (IATA)	2.1
Hazard labels (IATA)	2.1

ADN

Transport hazard class(es) (ADN)	2.1
Danger labels (ADN)	2.1

RID

Transport hazard class(es) (RID)	2.1
Danger labels (RID)	2.1

14.4. Packing group

Packing group (ADR)	Not applicable
Packing group (IMDG)	Not applicable
Packing group (IATA)	Not applicable
Packing group (ADN)	Not applicable
Packing group (RID)	Not applicable

14.5. Environmental hazards

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available.

14.6. Special precautions for user

Overland transport

Classification code (ADR)	5F
Special provisions (ADR)	190, 327, 344, 625
Limited quantities (ADR)	1l
Packing instructions (ADR)	P207
Tunnel restriction code (ADR)	D

Transport by sea

Special provisions (IMDG)	63, 190, 277, 327, 344, 381, 959
Packing instructions (IMDG)	P207, LP200
EmS-No. (Fire)	F-D
EmS-No. (Spillage)	S-U

Stowage category (IMDG)	None
Air transport	
PCA Excepted quantities (IATA)	E0
PCA Limited quantities (IATA)	Y203
PCA limited quantity max net quantity (IATA)	30kgG
PCA packing instructions (IATA)	203
PCA max net quantity (IATA)	75kg
CAO packing instructions (IATA)	203
CAO max net quantity (IATA)	150kg
Special provisions (IATA)	A145, A167, A802
ERG code (IATA)	10L
Inland waterway transport	
Classification code (ADN)	5F
Special provisions (ADN)	190, 327, 344, 625
Limited quantities (ADN)	1 L
Rail transport	
Special provisions (RID)	190, 327, 344, 625
Limited quantities (RID)	1L
Packing instructions (RID)	P207, LP200
Hazard identification number (RID)	23

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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

ethylbenzene ; Xylene ; n-butyl acetate ; 1,2,4-trimethylbenzene ; mesitylene ; Hydrocarbons, C10, aromatics, <1% naphthalene ; butan-1-ol ; 2,2'-iminodiethylamine ; propylene carbonate ; 2-methoxy-1-methylethyl acetate ; acetone ; ethanol ; ethyl acetate	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
Paint Primer ; ethylbenzene ; Xylene ; n-butyl acetate ; 1,2,4-trimethylbenzene ; mesitylene ; butan-1-ol ; 2-methoxy-1-methylethyl acetate ; acetone ; ethanol ; ethyl acetate	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
Paint Primer ; ethylbenzene ; Xylene ; fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines ; 1,2,4-trimethylbenzene ; Hydrocarbons, C10, aromatics, <1% naphthalene ; butan-1-ol ; 2,2'-iminodiethylamine ; Fatty acids, tall-oil, esters with polyethylene glycol mono(hydrogen maleate), compds. with amides from diethylenetriamine and tall-oil fatty acids ; propylene carbonate ; acetone ; ethanol ; ethyl acetate	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 ; 1,2,4-trimethylbenzene ; mesitylene ; Hydrocarbons, C10, aromatics, <1% naphthalene ; Fatty acids, tall-oil, esters with polyethylene glycol mono(hydrogen maleate), compds. with amides from diethylenetriamine and tall-oil fatty acids	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
ethylbenzene ; Xylene ; n-butyl acetate ; 1,2,4-trimethylbenzene ; mesitylene ; butan-1-ol ; 2-methoxy-1-methylethyl acetate ; acetone ; Propane ; butane ; isobutane ; ethanol ; ethyl acetate	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.

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC (EU)	642 g/l
Other information, restriction and prohibition regulations	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 94/33/EC on the protection of young people 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. For details, refer to section 3 and 8.
Seveso Information	P3a FLAMMABLE AEROSOLS 'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids Category 1

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

1.4. Emergency telephone number.

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

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

Aerosol 1	H222;H229
Eye Irrit. 2	H319
STOT SE 3	H336

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 (Oral)	Acute toxicity (oral), Category 4.
Aerosol 1	Aerosol, Category 1.
Asp. Tox. 1	Aspiration hazard, Category 1.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2.

Flam. Gas 1A	Flammable gases, Category 1A.
Flam. Liq. 2	Flammable liquids, Category 2.
Flam. Liq. 3	Flammable liquids, Category 3.
Flam. Sol. 1	Flammable solids, Category 1.
Press. Gas	Gases under pressure.
Press. Gas (Comp.)	Gases under pressure : Compressed gas.
Repr. 2	Reproductive toxicity, Category 2.
Skin Irrit. 2	Skin corrosion/irritation, Category 2.
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2.
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis.
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation.
H220	Extremely flammable gas..
H222	Extremely flammable aerosol..
H225	Highly flammable liquid and vapour..
H226	Flammable liquid and vapour..
H228	Flammable solid..
H229	Pressurised container: May burst if heated..
H280	Contains gas under pressure; may explode if heated..
H302	Harmful if swallowed..
H304	May be fatal if swallowed and enters airways..
H312	Harmful in contact with skin..
H315	Causes skin irritation..
H318	Causes serious eye damage..
H319	Causes serious eye irritation..
H332	Harmful if inhaled..
H335	May cause respiratory irritation..
H336	May cause drowsiness or dizziness..
H361	Suspected of damaging fertility or the unborn child..
H373	May cause damage to organs through prolonged or repeated exposure..
EUH066	Repeated exposure may cause skin dryness or cracking..

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

Aerosol 1	H222;H229	On basis of test data
Eye Irrit. 2	H319	Calculation method
STOT SE 3	H336	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: Paint Primer

Ford Int. Ref. No.: 199713 REVISION DATE: 02.03.2020

Involved Products:

	Finiscode	Part number	Container Size:
1	2 281 977	HU7J 19L531 IG	250 ml