

# 2K CLEARCOAT SPRAY



## 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	2K Clearcoat Spray
Product code	Ford Int. Ref.No. 184380
SDS Number	7763
Product use	Professional use

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

Relevant identified uses	Paints, lacquers and varnishes
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

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.
	Skin sensitisation, Category 1	H317	May cause an allergic skin reaction.
	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

acetone; n-butyl acetate; Hexamethylene diisocyanate, oligomers; Hydrocarbons, C9, aromatic; TINUVIN 1130

Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

#### Precautionary statements

##### Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames. 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 spray, vapours.

##### Response

P312	Call a doctor, a POISON CENTER if you feel unwell.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### Storage

P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
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##### Supplemental hazard information

Extra phrases	Without adequate ventilation formation of explosive mixtures may be possible.
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### 2.3. Other hazards

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

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

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

### 3.2. Mixtures

Chemical name	CAS- No EC- No Index No RRN	%	Classification according to Regulation (EC) No. 1272/2008	Notes
dimethyl ether	115-10-6 204-065-8 603-019-00-8 01-2119472128-37-XXXX	25 - < 50	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	substance with a Community workplace exposure limit (Note U)
acetone	67-64-1 200-662-2 606-001-00-8 01-2119471330-49-XXXX	10 - < 25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
n-butyl acetate	123-86-4 204-658-1 607-025-00-1 01-2119485493-29-XXXX	10 - < 25	Flam. Liq. 3, H226 STOT SE 3, H336	
Hexamethylene diisocyanate, oligomers	28182-81-2 500-060-2	5 - < 10	Skin Sens. 1, H317	

Chemical name	CAS- No EC- No Index No RRN	%	Classification according to Regulation (EC) No. 1272/2008	Notes
Xylene	1330-20-7 215-535-7 601-022-00-9 001-2119488216-32-XXXX	2,5 - < 5	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315	(Note C)
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9 607-195-00-7 01-2119475791-29-XXXX	1 - < 2,5	Flam. Liq. 3, H226	substance with a Community workplace exposure limit
2-butoxyethyl acetate	112-07-2 203-933-3 607-038-00-2 01-2119475112-47-XXXX	1 - < 2,5	Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332	
Hydrocarbons, C9, aromatic	128601-23-0; 64742-95-6 918-668-5 01-2119455851-35-XXXX	1 - < 2,5	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	
TINUVIN 1130	400-830-7 607-176-00-3	0,1 - < 1	Skin Sens. 1, H317 Aquatic Chronic 2, H411	

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

If you feel unwell, seek medical advice (show the label where possible). Call a poison center or a doctor if you feel unwell.

#### Inhalation

Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

#### Skin contact:

Wash skin with plenty of water and soap. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

#### Eyes contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. 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

If you feel unwell, seek medical advice. Never give anything by mouth to an unconscious person. 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

May cause an allergic skin reaction.

#### Symptoms/effects after eye contact

Causes serious eye irritation. 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**

<b>Suitable extinguishing media</b>	carbon dioxide (CO <sub>2</sub> ), powder, water spray. Alcohol resistant foam. Water spray. Dry powder. Foam. Carbon dioxide.
<b>Unsuitable extinguishing media</b>	Do not use a water jet since it may cause the fire to spread.

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

<b>Fire hazard</b>	Extremely flammable aerosol.
<b>Explosion hazard</b>	Contains gas under pressure; may explode if heated. May form flammable/explosive vapour-air mixture. Pressurised container: May burst if heated.
<b>Hazardous combustion products</b>	Toxic fumes may be released.

#### **5.3. Advice for firefighters**

<b>Precautionary measures fire</b>	Cool containers exposed to heat with water spray and remove container, if no risk is involved. Keep away from combustible materials.
<b>Firefighting instructions</b>	Do not enter fire area without proper protective equipment, including respiratory protection. Do not fight fire when fire reaches explosives.
<b>Protection during firefighting</b>	Do not enter fire area without proper protective equipment, including respiratory protection. Complete protective clothing. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

### **6. SECTION 6: Accidental release measures**

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

<b>General measures</b>	Eliminate every possible source of ignition. Keep unnecessary personnel away.
<b>For non-emergency personnel</b>	
<b>Emergency procedures</b>	Ventilate spillage area. No flames, no sparks. Eliminate all sources of ignition. Avoid breathing dust, mist or spray. Avoid contact with skin, eyes and clothing. No open flames, no sparks, and no smoking. Avoid breathing dust, fume, gas, mist, vapours, spray.
<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".

#### **6.2. Environmental precautions**

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment.

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

<b>For containment</b>	Prevent entry into waterways, sewer, basements or confined areas.
<b>Methods for cleaning up</b>	This material and its container must be disposed of in a safe way, and as per local legislation. Mechanically recover the product.
<b>Other information</b>	Dispose of materials or solid residues at an authorized site.

- 6.4. Reference to other sections** For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13: "Disposal considerations".

## 7. SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Precautions for safe handling

Do not pierce or burn, even after use. Do not breathe vapour/aerosol. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Do not spray on an open flame or other ignition source. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Avoid breathing dust, fume, gas, mist, vapours, spray. Wear personal protective equipment.

#### Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep cool. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed.

### 7.3. Specific end use(s)

Paints, lacquers and varnishes.

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

### 8.1. Control parameters

#### EU

Regulation	Substance	Type	Value
COMMISSION DIRECTIVE (EU) 2019/1831	<b>n-butyl acetate (123-86-4)</b> n-Butyl acetate	IOELV TWA	241 mg/m <sup>3</sup>
		IOELV TWA	50 ppm
		IOELV STEL	723 mg/m <sup>3</sup>
		IOELV STEL	150 ppm
COMMISSION DIRECTIVE 2000/39/EC	<b>dimethyl ether (115-10-6)</b> Dimethylether	IOELV TWA	1920 mg/m <sup>3</sup>
		IOELV TWA	1000 ppm
	<b>acetone (67-64-1)</b> Acetone	IOELV TWA	1210 mg/m <sup>3</sup>
		IOELV TWA	500 ppm
	<b>Xylene (1330-20-7)</b> Xylene, mixed isomers, pure	IOELV TWA	221 mg/m <sup>3</sup>
		IOELV TWA	50 ppm
		IOELV STEL	442 mg/m <sup>3</sup>
		IOELV STEL	100 ppm
		Notes	Skin
	<b>2-methoxy-1-methylethyl acetate (108-65-6)</b> 2-Methoxy-1-methylethylacetate	IOELV TWA	275 mg/m <sup>3</sup>
		IOELV TWA	50 ppm
		IOELV STEL	550 mg/m <sup>3</sup>
		IOELV STEL	100 ppm
		Notes	Skin
	<b>2-butoxyethyl acetate (112-07-2)</b> 2-Butoxyethyl acetate	IOELV TWA	133 mg/m <sup>3</sup>
		IOELV TWA	20 ppm
		IOELV STEL	333 mg/m <sup>3</sup>

**EU**

IOELV STEL 50 ppm  
Notes Skin

**United Kingdom**

Regulation	Substance	Type	Value
EH40. HSE	<b>dimethyl ether (115-10-6)</b> Dimethyl ether	WEL TWA	766 mg/m <sup>3</sup>
		WEL TWA	400 ppm
		WEL STEL	958 mg/m <sup>3</sup>
		WEL STEL	500 ppm
	<b>acetone (67-64-1)</b> Acetone	WEL TWA	1210 mg/m <sup>3</sup>
		WEL TWA	500 ppm
		WEL STEL	3620 mg/m <sup>3</sup>
		WEL STEL	1500 ppm
	<b>Xylene (1330-20-7)</b> Xylene	WEL TWA	220 mg/m <sup>3</sup> o-,m-,p- or mixed isomers
		WEL TWA	50 ppm o-,m-,p- or mixed isomers
		WEL STEL	441 mg/m <sup>3</sup> o-,m-,p- or mixed isomers
		WEL STEL	100 ppm o-,m-,p- or mixed isomers
	<b>2-methoxy-1-methylethyl acetate (108-65-6)</b> 1-Methoxypropyl acetate	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)
		WEL TWA	274 mg/m <sup>3</sup>
		WEL TWA	50 ppm
		WEL STEL	548 mg/m <sup>3</sup>
	<b>2-butoxyethyl acetate (112-07-2)</b> 2-Butoxyethyl acetate	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)
		WEL TWA	147 mg/m <sup>3</sup>
		WEL TWA	20 ppm
	<b>n-butyl acetate (123-86-4)</b> Butyl acetate	WEL STEL	367 mg/m <sup>3</sup>
		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)
		WEL STEL	724 mg/m <sup>3</sup>
EH40/2005 (Fourth edition, 2020). HSE	<b>n-butyl acetate (123-86-4)</b> Butyl acetate	WEL TWA	150 ppm
		WEL TWA	966 mg/m <sup>3</sup>
		WEL STEL	200 ppm
		WEL STEL	200 ppm

**DNEL: Derived no effect level**

No data available

Components	Type	Route	Value	Form
dimethyl ether (115-10-6)	Worker	Inhalation	1894 mg/m <sup>3</sup>	Long-term - systemic effects
	Consumer	Inhalation	471 mg/m <sup>3</sup>	Long-term - systemic effects
acetone (67-64-1)	Worker	Inhalation	2420 mg/m <sup>3</sup>	Acute - local effects
		Dermal	186 mg/kg bodyweight/day	Long-term - systemic effects

n-butyl acetate (123-86-4)	Consumer	Inhalation	1210 mg/m <sup>3</sup>	Long-term - systemic effects
		Oral	62 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	200 mg/m <sup>3</sup>	Long-term - systemic effects
		Dermal	62 mg/kg bodyweight/day	Long-term - systemic effects
	Worker	Dermal	11 mg/kg bodyweight/day	Acute - systemic effects
		Inhalation	600 mg/m <sup>3</sup>	Acute - systemic effects
		Inhalation	600 mg/m <sup>3</sup>	Acute - local effects
		Dermal	11 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	300 mg/m <sup>3</sup>	Long-term - systemic effects
		Inhalation	300 mg/m <sup>3</sup>	Long-term - local effects
	Consumer	Dermal	6 mg/kg bodyweight	Acute - systemic effects
		Inhalation	300 mg/m <sup>3</sup>	Acute - systemic effects
		Oral	2 mg/kg bodyweight	Acute - systemic effects
		Inhalation	300 mg/m <sup>3</sup>	Acute - local effects
		Oral	2 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	35.7 mg/m <sup>3</sup>	Long-term - systemic effects
		Dermal	6 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	35.7 mg/m <sup>3</sup>	Long-term - local effects
Xylene (1330-20-7)	Worker	Inhalation	289 mg/m <sup>3</sup>	Acute - systemic effects
		Dermal	180 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	77 mg/m <sup>3</sup>	Long-term - systemic effects
		Inhalation	289 mg/m <sup>3</sup>	Long-term - local effects
	Consumer	Inhalation	174 mg/m <sup>3</sup>	Acute - systemic effects
		Inhalation	174 mg/m <sup>3</sup>	Acute - local effects
		Oral	1.6 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	14.8 mg/m <sup>3</sup>	Long-term - systemic effects
Hydrocarbons, C9, aromatic (64742-95-6)	Worker	Dermal	25 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	150 mg/m <sup>3</sup>	Long-term - systemic effects
	Consumer	Oral	11 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	32 mg/m <sup>3</sup>	Long-term - systemic effects
		Dermal	11 mg/kg bodyweight/day	Long-term - systemic effects

**PNEC: Predicted no effect concentration**

No data available

Components	Type	Route	Value	Form
dimethyl ether (115-10-6)	Not applicable	Freshwater	0.155 mg/l	
		Seawater	0.016 mg/l	
		Freshwater	1.549 mg/l	Intermittent release
		sediment	0.681 mg/kg dwt	Freshwater
		sediment	0.069 mg/kg dwt	Seawater
		Soil	0.045 mg/kg dwt	
		STP	160 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	
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 dw	Freshwater
		sediment	0.098 mg/kg dw	Seawater
		Soil	0.09 mg/kg dw	
		STP	35.6 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 dw	Freshwater
		sediment	12.46 mg/kg dw	Seawater
		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. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment

### Materials for protective clothing

No additional information available.

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

#### Eye protection

Safety glasses

#### Skin protection

##### Hand protection

Protective gloves.

Material	Permeation	Thickness (mm)	Comments
Butyl rubber	60 - 119 min	0,7 mm	Glove recommendation: Butoject® 898 (Kächele-Cama GmbH, source of supply see <a href="http://www.kcl.de">www.kcl.de</a> ) or comparable product.
In case of splash contact: Butyl rubber	60 - 119 min	0,7 mm	Glove recommendation: Butoject® 898 (Kächele-Cama GmbH, source of supply see <a href="http://www.kcl.de">www.kcl.de</a> ) or comparable product.

### Other protective measures

No additional information available.

### Respiratory protection

[In case of inadequate ventilation] wear respiratory protection. 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: Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust

### Skin and body protection

Wear suitable protective clothing

### Thermal hazard protection

No additional information available.

### Environmental exposure controls

Avoid release to the environment.

## 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	Characteristics.
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	-24.9 °C
Flash point	< 0 °C Without propellant gas
Auto-ignition temperature	Not self-igniting
Decomposition temperature	No data available
Flammability (solid, gas)	Extremely flammable aerosol
Vapour pressure	3400 hPa @ 20°C
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	0.838 g/cm³ @ 20°C
Solubility	Insoluble. Moderately 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	No data available
Lower explosive limit (LEL)	1.2 vol %
Upper explosive limit (UEL)	18.6 vol %

## 9.2. Other information

VOC (EU)	80.36 %
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## 10. SECTION 10: Stability and reactivity

10.1. Reactivity	Extremely flammable aerosol. Pressurised container: May burst if heated.
10.2. Chemical stability	The product is stable and non reactive under normal conditions of use, storage and transport.
10.3. Possibility of hazardous reactions	Alkali metals. Acids. Oxidizing agent.
10.4. Conditions to avoid	No additional information available.
10.5. Incompatible materials	Acids. Alkalines. 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.

#### Substance

Name	Method	Type	Exposure route	Value	Unit	Species	Remarks
Xylene (1330-20-7)		ATE	Dermal	1100	mg/kg		vapours
		ATE	Inhalation	11	mg/l/4h		
2-butoxyethyl acetate (112-07-2)		ATE	Inhalation	11	mg/l/4h		
		LD50	Dermal	1500	mg/kg	rabbit	

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

**Serious eye damage/irritation** Causes serious eye irritation.

<b>Respiratory or skin sensitisation</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met
<b>STOT-single exposure</b>	May cause drowsiness or dizziness.
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met
<b>Aspiration hazard</b>	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
Hydrocarbons, C9, aromatic (64742-95-6)	Fish	Oncorhynchus mykiss (Rainbow trout)	LC50	9.22 mg/l	96 h	
	crustacea	Mysidopsis bahia	LC50	2 mg/l	96 h	
	algae	Pseudokirchnerella subcapitata	ErC50	2.9 mg/l	72 h	

### 12.2. Persistence and degradability

#### 2K Clearcoat Spray

<b>Persistence and degradability</b>	No data available.
<b>Xylene (1330-20-7)</b>	
<b>Persistence and degradability</b>	Readily biodegradable, according to appropriate OECD test.
<b>Biodegradation</b>	> 60 % (OECD 301A-F method)

### 12.3. Bioaccumulative potential

#### n-butyl acetate (123-86-4)

<b>Log Pow</b>	1.78
<b>Xylene (1330-20-7)</b>	
<b>Bioconcentration factor (BCF REACH)</b>	7days; Oncorhynchus mykiss (Rainbow trout)
<b>Log Pow</b>	3.12

### 12.4. Mobility in soil

#### 2K Clearcoat Spray

<b>Ecology - soil</b>	Not available.
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### 12.5. Results of PBT and vPvB assessment

#### 2K Clearcoat Spray

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 local/regional/national/international regulations. 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. Container under pressure. Do not drill or burn even after use.

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

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

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

**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

<b>RID</b>	
Transport hazard class(es) (RID)	2.1
Danger labels (RID)	2.1
<b>14.4. Packing group</b>	
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
<b>14.5. Environmental hazards</b>	
Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available.
<b>14.6. Special precautions for user</b>	
<b>Overland transport</b>	
Classification code (ADR)	5F
Special provisions (ADR)	190, 327, 344, 625
Limited quantities (ADR)	1I
Packing instructions (ADR)	P207
Tunnel restriction code (ADR)	D
<b>Transport by sea</b>	
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
<b>Air transport</b>	
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
<b>Inland waterway transport</b>	
Classification code (ADN)	5F
Special provisions (ADN)	190, 327, 344, 625
Limited quantities (ADN)	1 L
<b>Rail transport</b>	
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

acetone ; n-butyl acetate ; Xylene ; 2-methoxy-1-methylethyl acetate ; 2-butoxyethyl acetate ; TINUVIN 1130	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
2K Clearcoat Spray ; acetone ; n-butyl acetate ; Xylene ; 2-methoxy-1-methylethyl 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
2K Clearcoat Spray ; acetone ; Hexamethylene diisocyanate, oligomers ; Xylene ; 2-butoxyethyl acetate ; TINUVIN 1130	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
TINUVIN 1130	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
dimethyl ether ; acetone ; n-butyl acetate ; Xylene ; 2-methoxy-1-methylethyl 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)

80.36 %

##### 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

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).

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

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Aerosol 1	H222;H229
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Eye Irrit. 2	H319
Skin Sens. 1	H317
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.
Aerosol 1	Aerosol, Category 1.
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2.
Asp. Tox. 1	Aspiration hazard, 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.
Press. Gas (Comp.)	Gases under pressure : Compressed gas.
Skin Irrit. 2	Skin corrosion/irritation, Category 2.
Skin Sens. 1	Skin sensitisation, Category 1.
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..
H229	Pressurised container: May burst if heated..
H280	Contains gas under pressure; may explode if heated..
H304	May be fatal if swallowed and enters airways..
H312	Harmful in contact with skin..
H315	Causes skin irritation..
H317	May cause an allergic skin reaction..
H319	Causes serious eye irritation..
H332	Harmful if inhaled..
H335	May cause respiratory irritation..
H336	May cause drowsiness or dizziness..
H411	Toxic to aquatic life with long lasting effects..

#### 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
Skin Sens. 1	H317	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:** 2K Clearcoat Spray

**Ford Int. Ref. No.:** 184380

REVISION DATE: 26.03.2020

**Involved Products:**

	<b>Finiscode</b>	<b>Part number</b>	<b>Container Size:</b>
.	1 2 242 254	HU7J 19L531 RG	250 ml
.	2 2 242 256	HU7J 19L531 SG	250 ml
.	3 2 242 258	HU7J 19L531 SG1	250 ml
.	4 2 242 260	HU7J 19L531 SG2	250 ml