



SPOT BLENDER 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	Spot Blender Spray
Product code	Ford Internal Ref.: 201589
SDS Number	6332
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	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	Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
	Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.

2.2. Label elements

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

Hazard pictograms



Signal word

Danger

Contains

cyclohexanone

Hazard statements

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements

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.
P280 Wear protective gloves, 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.
P310 Immediately call a doctor, a POISON CENTER

Storage

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

2.3. Other hazards

Other hazards not contributing to the classification Without adequate ventilation formation of explosive mixtures may be possible.

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	50 - < 100	Flam. Gas 1, H220 Press. Gas (Comp.), H280	# (Note U)
cyclohexanone	108-94-1 203-631-1 606-010-00-7 01-2119453616-35-XXXX	5 - < 10	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318	#
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9 607-195-00-7 01-2119475791-29-XXXX	5 - < 10	Flam. Liq. 3, H226	#
ethylacetate	141-78-6 205-500-4 607-022-00-5 01-2119475103-46-XXXX	5 - < 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	#

Chemical name	CAS- No EC- No Index No RRN	%	Classification according to Regulation (EC) No. 1272/2008	Notes
n-butyl acetate	123-86-4 204-658-1 607-025-00-1 01-2119485493-29-XXXX	5 - < 10	Flam. Liq. 3, H226 STOT SE 3, H336	
Xylene	1330-20-7 215-535-7 601-022-00-9 01-2119488216-32-XXXX	2,5 - < 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 Asp. Tox. 1, H304	# (Note C)
pentyl acetate	628-63-7 211-047-3 607-130-00-2	1 - < 2,5	Flam. Liq. 3, H226	# (Note C)
ethylbenzene	100-41-4 202-849-4 601-023-00-4 01-2119489370-35-XXXX	1 - < 2,5	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	#

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.

#: substance with a Community workplace exposure limit

Full text of H-statements: see section 16

4. SECTION 4: First aid measures

4.1. Description of first aid measures

General information

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

Inhalation

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

Skin contact:

Wash skin with plenty of water. Get medical attention if irritation develops and persists.

Eyes contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

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 after skin contact

Causes skin irritation.

Symptoms/effects after eye contact

Causes serious eye damage.

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	Pressurised container: May burst if heated.
Hazardous combustion products	During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Firefighting instructions	Cool containers / tanks with spray water if possible.
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.

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.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small spills: Take up liquid spill into absorbent material. Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use.
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Other information	Dispose of materials or solid residues at an authorized site.
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6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

7. SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	Ensure good ventilation of the work station. Wear personal protective equipment. 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.
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 in a well-ventilated place. Keep cool.
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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) 2017/164	ethylacetate (141-78-6) Ethyl acetate	IOELV TWA	734 mg/m ³
		IOELV TWA	200 ppm
		IOELV STEL	1468 mg/m ³
		IOELV STEL	400 ppm
COMMISSION DIRECTIVE 2000/39/EC	dimethyl ether (115-10-6) Dimethylether	IOELV TWA	1920 mg/m ³
		IOELV TWA	1000 ppm
	cyclohexanone (108-94-1) Cyclohexanone	IOELV TWA	40.8 mg/m ³
		IOELV TWA	10 ppm
		IOELV STEL	81.6 mg/m ³
		IOELV STEL	20 ppm
		Notes	Skin
	2-methoxy-1-methylethyl acetate (108-65-6) 2-Methoxy-1-methylethylacetate	IOELV TWA	275 mg/m ³
		IOELV TWA	50 ppm
		IOELV STEL	550 mg/m ³
		IOELV STEL	100 ppm
		Notes	Skin
	Xylene (1330-20-7) Xylene, mixed isomers, pure	IOELV TWA	221 mg/m ³
		IOELV TWA	50 ppm
IOELV STEL		442 mg/m ³	
IOELV STEL		100 ppm	
	Notes	Skin	
pentyl acetate (628-63-7) Pentylacetate	IOELV TWA	270 mg/m ³	
	IOELV TWA	50 ppm	
	IOELV STEL	540 mg/m ³	
	IOELV STEL	100 ppm	
ethylbenzene (100-41-4) Ethylbenzene	IOELV TWA	442 mg/m ³	
	IOELV TWA	100 ppm	
	IOELV STEL	884 mg/m ³	
	IOELV STEL	200 ppm	
	Notes	Skin	

United Kingdom

Regulation	Substance	Type	Value
EH40. HSE	dimethyl ether (115-10-6) Dimethyl ether	WEL TWA	766 mg/m ³
		WEL TWA	400 ppm
		WEL STEL	958 mg/m ³
		WEL STEL	500 ppm
	2-methoxy-1-methylethyl acetate (108-65-6) 1-Methoxypropyl acetate	WEL TWA	274 mg/m ³
		WEL TWA	50 ppm
		WEL STEL	548 mg/m ³
		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)

United Kingdom

	ethylacetate (141-78-6) Ethyl acetate	WEL TWA WEL TWA WEL STEL WEL STEL	734 mg/m ³ 200 ppm 1468 mg/m ³ 400 ppm
	Xylene (1330-20-7) Xylene	WEL TWA WEL TWA WEL STEL WEL STEL Remark (WEL)	220 mg/m ³ o-,m-,p- or mixed isomers 50 ppm o-,m-,p- or mixed isomers 441 mg/m ³ o-,m-,p- or mixed isomers 100 ppm o-,m-,p- or mixed isomers Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)
EH40/2005 (Third edition, 2018). HSE	cyclohexanone (108-94-1) Cyclohexanone	WEL TWA WEL TWA WEL STEL WEL STEL Remark (WEL)	41 mg/m ³ 10 ppm 82 mg/m ³ 20 ppm 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)
	n-butyl acetate (123-86-4) Butyl acetate	WEL TWA WEL TWA WEL STEL WEL STEL	724 mg/m ³ 150 ppm 966 mg/m ³ 200 ppm
	pentyl acetate (628-63-7) Pentyl acetate	WEL TWA WEL TWA WEL STEL WEL STEL	270 mg/m ³ all isomers 50 ppm all isomers 541 mg/m ³ all isomers 100 ppm all isomers
	ethylbenzene (100-41-4) Ethylbenzene	WEL TWA WEL TWA WEL STEL WEL STEL Remark (WEL)	441 mg/m ³ 100 ppm 552 mg/m ³ 125 ppm 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)

DNEL: Derived no effect level

No data available

Components	Type	Route	Value	Form
dimethyl ether (115-10-6)	Worker	Inhalation	1894 mg/m ³	Long-term - systemic effects
	Consumer	Inhalation	471 mg/m ³	Long-term - systemic effects
cyclohexanone (108-94-1)	Worker	Dermal	4 mg/kg bw/day	Acute - systemic effects
		Inhalation	80 mg/m ³	Acute - systemic effects
		Inhalation	80 mg/m ³	Acute - local effects
		Dermal	4 mg/kg bw/day	Long-term - systemic effects
	Consumer	Inhalation	40 mg/m ³	Long-term - systemic effects
		Inhalation	40 mg/m ³	Long-term - local effects
		Dermal	1 mg/kg bw/day	Acute - systemic effects

		Inhalation	20 mg/m ³	Acute - systemic effects
		Oral	1.5 mg/kg bw/day	Acute - systemic effects
		Inhalation	40 mg/m ³	Acute - local effects
		Oral	1.5 mg/kg bw/day	Long-term - systemic effects
		Inhalation	10 mg/m ³	Long-term - systemic effects
		Dermal	1 mg/kg bw/day	Long-term - systemic effects
		Inhalation	20 mg/m ³	Long-term - local effects
2-methoxy-1-methylethyl acetate (108-65-6)	Worker	Inhalation	550 mg/m ³	Acute - local effects
		Dermal	796 mg/kg bodyweight/day	Long-term - systemic effects
	Consumer	Inhalation	275 mg/m ³	Long-term - systemic effects
		Oral	36 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	33 mg/m ³	Long-term - systemic effects
		Dermal	320 mg/kg bodyweight/day	Long-term - systemic effects
	Inhalation	33 mg/m ³	Long-term - local effects	
ethylacetate (141-78-6)	Worker	Inhalation	1468 mg/m ³	Acute - systemic effects
		Inhalation	1468 mg/m ³	Acute - local effects
		Dermal	63 mg/kg bodyweight/day	Long-term - systemic effects
	Consumer	Inhalation	734 mg/m ³	Long-term - systemic effects
		Inhalation	734 mg/m ³	Long-term - local effects
		Inhalation	734 mg/m ³	Acute - systemic effects
		Inhalation	734 mg/m ³	Acute - local effects
		Oral	4.5 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	367 mg/m ³	Long-term - systemic effects
		Dermal	37 mg/kg bodyweight/day	Long-term - systemic effects
	Inhalation	367 mg/m ³	Long-term - local effects	
n-butyl acetate (123-86-4)	Worker	Dermal	11 mg/kg bodyweight/day	Acute - systemic effects
		Inhalation	600 mg/m ³	Acute - systemic effects
		Inhalation	600 mg/m ³	Acute - local effects
		Dermal	11 mg/kg bodyweight/day	Long-term - systemic effects
	Consumer	Inhalation	300 mg/m ³	Long-term - systemic effects
		Inhalation	300 mg/m ³	Long-term - local effects
		Dermal	6 mg/kg bodyweight	Acute - systemic effects
		Inhalation	300 mg/m ³	Acute - systemic effects
		Oral	2 mg/kg bodyweight	Acute - systemic effects
		Inhalation	300 mg/m ³	Acute - local effects
		Oral	2 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	35.7 mg/m ³	Long-term - systemic effects
		Dermal	6 mg/kg bodyweight/day	Long-term - systemic effects
			Inhalation	35.7 mg/m ³
Xylene (1330-20-7)	Worker	Inhalation	289 mg/m ³	Acute - systemic effects
		Dermal	180 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	77 mg/m ³	Long-term - systemic effects
	Consumer	Inhalation	289 mg/m ³	Long-term - local effects
		Inhalation	174 mg/m ³	Acute - systemic effects
		Inhalation	174 mg/m ³	Acute - local effects
		Oral	1.6 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	14.8 mg/m ³	Long-term - systemic effects
		Dermal	108 mg/kg bodyweight/day	Long-term - systemic effects

ethylbenzene (100-41-4)	Worker	Inhalation	293 mg/m ³	Acute - local effects
		Dermal	180 mg/kg bodyweight/day	Long-term - systemic effects
	Consumer	Inhalation	77 mg/m ³	Long-term - systemic effects
		Oral	1.6 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	15 mg/m ³	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	
cyclohexanone (108-94-1)	Not applicable	Freshwater	0.033 mg/l	
		Seawater	0.003 mg/l	
		sediment	0.249 mg/kg dwt	Freshwater
		sediment	0.025 mg/kg dwt	Seawater
		Soil	0.03 mg/kg dwt	
		STP	10 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	
ethylacetate (141-78-6)	Not applicable	Freshwater	0.24 mg/l	
		Seawater	0.024 mg/l	
		Freshwater	1.65 mg/l	Intermittent release
		sediment	1.15 mg/kg dwt	Freshwater
		sediment	0.115 mg/kg dwt	Seawater
		Soil	0.148 mg/kg dwt	
		Oral	200 mg/kg food	Secondary Poisoning
		STP	650 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	
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	
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	

8.2. Exposure controls

Appropriate engineering controls

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

Materials for protective clothing

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

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

Eye protection

Safety glasses. EN 166.

Skin protection

Hand protection

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
Nitrile rubber (NBR)	6 (> 480 minutes)	0,4	EN ISO 374 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	EN ISO 374 Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.

Other protective measures

Wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment

Skin and body protection

Wear suitable protective clothing

Thermal hazard protection

Wear appropriate thermal protective clothing, when necessary.

Environmental exposure controls

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

Consumer exposure controls

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

9. SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Aerosol.
Colour	According to product specification.
Odour	Characteristic.
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	Not applicable

Melting point	No data available
Freezing point	No data available
Boiling point	Not applicable
Flash point	< 0 °C
Auto-ignition temperature	No data available
Ignition temperature	235 °C
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	3400 hPa
Relative vapour density at 20 °C	No data available
Relative density	No data available
Solubility	No data available
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	Pressurised container: May burst if heated. Without adequate ventilation formation of explosive mixtures may be possible.
Oxidising properties	No data available
Lower explosive limit (LEL)	3 vol %
Upper explosive limit (UEL)	18.6 vol %

9.2. Other information

VOC (EU)	747 g/l
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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	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	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
Spot Blender Spray	(calculated value)	ATE	oral	> 2000	mg/kg		
	(calculated value)	ATE	Dermal	> 2000	mg/kg		
	(calculated value)	ATE	Inhalation	> 20	mg/l/4h		vapours

Substance

Name	Method	Type	Exposure route	Value	Unit	Species	Remarks
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cyclohexanone (108-94-1)	(acc. CLP 3.1.2)	ATE	oral	> 300 - 2000	mg/kg	
	(acc. CLP 3.1.2)	ATE	Dermal	> 1000 - 2000	mg/kg	
	(acc. CLP 3.1.2)	ATE	Inhalation	> 10 - 20	mg//4h	vapours
Xylene (1330-20-7)	(acc. CLP 3.1.2)	ATE	Dermal	> 1000 - 2000	mg/kg	
	(acc. CLP 3.1.2)	ATE	Inhalation	> 10 - 20	mg//4h	vapours
ethylbenzene (100-41-4)	(acc. CLP 3.1.2)	ATE	Inhalation	> 10 - 20	mg//4h	vapours

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye damage.
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	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.
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12.2. Persistence and degradability

Spot Blender Spray

Persistence and degradability	No additional information available.
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Xylene (1330-20-7)

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

12.3. Bioaccumulative potential

Spot Blender Spray

Bioaccumulative potential	No additional information available.
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ethylacetate (141-78-6)

Log Pow	0.68 @ 25°C
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n-butyl acetate (123-86-4)

Log Pow	1.78
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Xylene (1330-20-7)

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

12.4. Mobility in soil

Spot Blender Spray

Ecology - soil	No additional information available.
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12.5. Results of PBT and vPvB assessment

Spot Blender 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

Regional legislation (waste)	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose of in accordance with local regulations.
Waste treatment methods	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
Additional information	Dispose in accordance with all applicable regulations.
European List of Waste (LoW) code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
16 05 04*	gases in pressure containers (including halons) containing 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)	1I
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

Classification code (RID)	5F
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**

cyclohexanone - n-butyl acetate - 2-methoxy-1-methylethyl acetate - ethylacetate - Xylene - ethylbenzene - pentyl 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
Spot Blender Spray - cyclohexanone - n-butyl acetate - 2-methoxy-1-methylethyl acetate - ethylacetate - Xylene - ethylbenzene - pentyl 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
Spot Blender Spray - cyclohexanone - ethylacetate - Xylene - ethylbenzene	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	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 - cyclohexanone - n-butyl acetate - 2-methoxy-1-methylethyl acetate - ethylacetate - Xylene - ethylbenzene - pentyl 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)

747 g/l

Other information, restriction and prohibition regulations

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

None.

Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AGW	Occupational exposure limit value
ATE	Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
BAM	Federal Institute for Materials Research and Testing, Germany
BAT	Maximum permissible concentration of biological working substances.
BCF	Bio-concentration factor.
BLV	Biological limit values
BLV	Biological limit values (BGW, Austria)
BMGV	Biological Monitoring Guidance Value (EH40,UK).
BOD5	Biochemical oxygen demand within 5 days
BOD	Biochemical oxygen demand
bw	Body weight.
calcd.	Calculated
CAS	Chemical Abstract Service.
CEN	European Committee for Standardization
CESIO	European Committee on Organic Surfactants and their Intermediates.
COD	Chemical oxygen demand
CLP	Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
CMR	Carcinogenic, Mutagenic or Reproduction Toxic Substances
CSA	Chemical safety assessment
CSR	Chemical Safety Report.
DMEL	Derived Minimum Effect Level.
DNEL	Derived no effect level
EAC	European waste catalogue
EC	European community
EC50	Effective concentration
EINECS	European Inventory of Existing Commercial Chemical Substances.
ELINCS	European List of Notified Chemical Substances.
EN	European norm.
ERC	ERC (Environmental Release category)
EU	European Union
GLP	Good Laboratory Practice.
GHS	Globally Harmonized System of Classification and Labeling of Chemicals.
GW/VL	Occupational exposure limit value.
GW-kw/VL-cd	Occupational exposure limit value - short term.
GW-M/VL-M	Occupational exposure limit value – "Ceiling".
IATA	International Air Transport Association
IBC code	International Bulk Chemical (Code) (International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk).

ICAO	International Civil Aviation Organization
IC50	Inhibition Concentration 50%.
IECSC	Inventory of Existing Chemical Substances in China.
IMDG	International Maritime Dangerous Goods
ISO	International Standards Organization.
IUPAC	International Union of Pure and Applied Chemistry
LC50	Lethal Concentration 50%.
LCLo	Lowest published lethal concentration.
LD50	Lethal Dose 50%.
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest observable effect concentration.
LOEL	Lowest observable effect level.
LQ	Limited quantities
TRK-Kzw	Threshold limit value - Short-term exposure limit / Technical reference concentration - short-time value, Austria.
MAK-Mow	Maximum allowable workplace concentration – instantaneous value, Austria.
MAK-Tmw, TRK-Tmw	Maximum allowable workplace concentration – daily mean value / Technical standard concentration – daily mean value, Austria.
MAK	Threshold limit values Germany.
MARPOL	International Convention for the Prevention of Pollution from Ships.
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
NOEL	no-observed-effect level
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limits
PBT	Persistent Bioaccumulative Toxic
PC (Chemical product category)	PC (Chemical product category)
PNEC	Predicted No-Effect Concentration
POCP	Photochemical ozone creation potential.
POP	Persistent Organic Pollutants
PPE	Personal protective equipment
Process category	Process category
REACH	Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals).
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL	Specific concentration limit.
STEL	Short-term Exposure Limit
STP	Sewage treatment plant
SU (Sector of use)	SU (Sector of use)
SVHC	Substance of Very High Concern.
TLV	Threshold Limit Value
TRGS	Technical Rules for Hazardous Substances (German Standard).
TWA	Time Weighted Average
UVCB	Substances of Unknown or Variable composition, Complex reaction products or Biological materials

VbF	Ordinance on Flammable Liquids, Austria
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
WEL-TWA	Workplace Exposure Limit-Long term exposure limit (8-hour TWA(=time weighted average)reference period).
WEL-STEL	Workplace Exposure Limit-Short term exposure limit (15-minute reference period).
Data sources	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006..
Training advice	Normal use of this product shall imply use in accordance with the instructions on the packaging

Full text of H- and EUH-statements

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.
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3.
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 1	Flammable gases, Category 1.
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.
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.
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.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful 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
Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	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: Spot Blender Spray

Ford Int. Ref. No.: 201589

REVISION DATE: 26.11.2019

Involved Products:

	Finiscode	Part number	Container Size:
.	1 2 436 149	KU7J 4400358 AA	400 ml