



BRAKE CLEANER

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	Brake Cleaner
Product code	Ford Internal Ref.: 125782
SDS Number	7717
Type of product	Detergent
Product use	Public use

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

Relevant identified uses	Cleaner
Uses advised against	No additional information available.

1.3. Details of the supplier of the safety data sheet

Supplier	Distributor
Ford-Werke GmbH Edsel-Ford-Str. 2-14 50769 Cologne Germany +49 221 90-33333 sdseu@ford.com	Ford Motor Company Ltd. Parts Distribution Centre Royal Oak Way South NN11 8NT Daventry, Northants United Kingdom +44 1327 305 198

1.4. Emergency telephone number

+49 (0) 6132-84463 (GBK GmbH – 24/7)

2. SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Physical hazards	Health hazards	Environmental hazards
Aerosol, Category 1	Skin corrosion/irritation, Category 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H222;H229	Serious eye damage/eye irritation, Category 2	
Extremely flammable aerosol. Pressurised container: May burst if heated.	Specific target organ toxicity — Single exposure, Category 3, Narcosis	
	Aspiration hazard, Category 1	
	H315	
	H319	
	H336	
	H304	
	H411	
	Causes skin irritation.	
	Causes serious eye irritation.	
	May cause drowsiness or dizziness.	
	May be fatal if swallowed and enters airways.	
	Toxic to aquatic life with long lasting effects.	

2.2. Label elements

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

Hazard pictograms



Signal word	Danger
Contains	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane; acetone ; 1-methoxy-2-propanol ; Pentane
Hazard statements	
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
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..
P271	Use only outdoors or in a well-ventilated area.
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.
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.

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
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	N/A 921-024-6 01-2119475514-35-XXXX	25 - < 50	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	
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

Chemical name	CAS- No EC- No Index No RRN	%	Classification according to Regulation (EC) No. 1272/2008	Notes
1-methoxy-2-propanol	107-98-2 203-539-1 603-064-00-3 01-2119457435-35-XXXX	10 - < 25	Flam. Liq. 3, H226 STOT SE 3, H336	substance with a Community workplace exposure limit
Carbon dioxide	124-38-9 204-696-9	2.5 - < 10	Press. Gas (Liq.), H280	substance with a Community workplace exposure limit
Pentane	109-66-0 203-692-4 601-006-00-1 01-2119457435-35-XXXX	10 - < 25	Flam. Liq. 1, H224 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	substance with a Community workplace exposure limit (Note C)

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.

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.
Skin contact	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
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	Irritation.
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	Pressurised container: May burst if heated.
Hazardous combustion products	During fire, gases hazardous to health may be formed. Carbon oxides (CO, CO ₂).

5.3. Advice for firefighters

Firefighting instructions	Move containers from fire area if it can be done without personal risk.
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Protection during firefighting Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. 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. For personal protection, see section 8 of the SDS.

6.2. Environmental precautions Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment Collect spillage.

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.

Other information Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections 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 dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures Wash contaminated clothing before reuse. 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 container tightly closed. Keep cool.

7.3. Specific end use(s) Cleaner.

8. SECTION 8: Exposure controls/personal protection

8.1. Control parameters

EU

Regulation	Substance	Type	Value
COMMISSION DIRECTIVE 2000/39/EC	acetone (67-64-1)	IOELV TWA	1210 mg/m ³
	Acetone	IOELV TWA	500 ppm
	1-methoxy-2-propanol (107-98-2)	IOELV TWA	375 mg/m ³
		IOELV TWA	100 ppm

EU

	1-Methoxypropanol-2	IOELV STEL	568 mg/m ³
		IOELV STEL	150 ppm
		Notes	Skin
COMMISSION DIRECTIVE 2006/15/EC	Carbon dioxide (124-38-9)	IOELV TWA	9000 mg/m ³
	Carbon dioxide	IOELV TWA	5000 ppm
	Pentane (109-66-0)	IOELV TWA	3000 mg/m ³
	Pentane	IOELV TWA	1000 ppm

United Kingdom

Regulation	Substance	Type	Value	
EH40. HSE	acetone (67-64-1) Acetone	WEL TWA	1210 mg/m ³	
		WEL TWA	500 ppm	
		WEL STEL	3620 mg/m ³	
		WEL STEL	1500 ppm	
	Carbon dioxide (124-38-9) Carbon dioxide	WEL TWA	9150 mg/m ³	
		WEL TWA	5000 ppm	
		WEL STEL	27400 mg/m ³	
		WEL STEL	15000 ppm	
	1-methoxy-2-propanol (107-98-2) 1-Methoxypropan-2-ol	WEL TWA	375 mg/m ³	
		WEL TWA	100 ppm	
		WEL STEL	560 mg/m ³	
		WEL STEL	150 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)	
	Pentane (109-66-0) Pentane	WEL TWA	1800 mg/m ³	
		WEL TWA	600 ppm	

DNEL: Derived no effect level

No data available

Components	Type	Route	Value	Form
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (N/A)	Worker	Dermal	773 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	2035 mg/m ³	Long-term - systemic effects
	Consumer	Oral	699 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	608 mg/m ³	Long-term - systemic effects
acetone (67-64-1)	Worker	Dermal	699 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	2420 mg/m ³	Acute - local effects
		Dermal	186 mg/kg bodyweight/day	Long-term - systemic effects
	Consumer	Inhalation	1210 mg/m ³	Long-term - systemic effects
		Oral	62 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	200 mg/m ³	Long-term - systemic effects
1-methoxy-2-propanol (107-98-2)	Worker	Dermal	62 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	200 mg/m ³	Long-term - systemic effects
		Dermal	62 mg/kg bodyweight/day	Long-term - systemic effects
	Consumer	Inhalation	553.5 mg/m ³	Acute - systemic effects
		Inhalation	553.5 mg/m ³	Acute - local effects
		Dermal	183 mg/kg bodyweight/day	Long-term - systemic effects
	Consumer	Inhalation	369 mg/m ³	Long-term - systemic effects
		Oral	33 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	43.9 mg/m ³	Long-term - systemic effects
		Dermal	78 mg/kg bodyweight/day	Long-term - systemic effects

Pentane (109-66-0)	Worker	Dermal	432 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	3000 mg/m ³	Long-term - systemic effects
	Consumer	Oral	214 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	643 mg/m ³	Long-term - systemic effects
		Dermal	214 mg/kg bodyweight/day	Long-term - systemic effects

PNEC: Predicted no effect concentration

No data available

Components	Type	Route	Value	Form
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	
1-methoxy-2-propanol (107-98-2)	Not applicable.	Freshwater	10 mg/l	
		Seawater	1 mg/l	
		Freshwater	100 mg/l	Intermittent release
		sediment	52.3 mg/kg dwt	Freshwater
		sediment	5.2 mg/kg dwt	Seawater
		Soil	4.59 mg/kg dwt	
		STP	100 mg/l	
Pentane (109-66-0)	Not applicable.	Freshwater	230 µg/L	
		Seawater	230 µg/L	
		Freshwater	880 µg/L	Intermittent release
		sediment	1.2 mg/kg dwt	Freshwater
		sediment	1.2 mg/kg dwt	Seawater
		Soil	0.55 mg/kg dwt	
		STP	3600 µg/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

Wear suitable protective clothing.

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

Eye protection

Safety glasses

Skin protection

Hand protection

The protective gloves to be used must comply with the specification of EU directive 89/686/EC and the resultant standard EN374. The above given information is based on laboratory test in line with EN374. 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	30 - 59 min	0.7	Glove recommendation: Butoject® 898 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.

In case of splash contact: Nitrile rubber (NBR)	10 - 29 minutes	0.4	Glove recommendation: Camatril Velours® 730 (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
Thermal hazard protection			Wear appropriate thermal protective clothing, when necessary.
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	Colourless.
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	-78.5 °C
Flash point	-35 °C
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Extremely flammable aerosol
Vapour pressure	573 hPa @ 20°C
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	0.75 g/cm ³ @ 20°C
Solubility	Moderately soluble in water.
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	Pressurised container: May burst if heated.
Oxidising properties	No data available
Explosive limits	0.8 - 20 vol %

9.2. Other information

VOC (EU)	95 %
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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	Acids. 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
Skin corrosion/irritation	Causes skin irritation.
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 - Description	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	May be fatal if swallowed and enters airways.

12. SECTION 12: Ecological information

12.1. Toxicity

Ecology - general Toxic to aquatic life with long lasting effects.

Acute aquatic toxicity

Substance / Product	Trophic level	Species	Type	Value	Duration	Remarks
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (N/A)	algae	Pseudokirchnerella subcapitata	EL50	30 mg/l	72 h	
	crustacea	Daphnia magna	EC50	3 mg/l	48 h	
	Fish	Oncorhynchus mykiss (Rainbow trout)	LC50	11,4 mg/l	96 h	
Pentane (109-66-0)	Fish		LL50	27,55 mg/l	96h	

12.2. Persistence and degradability

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (N/A)

Persistence and degradability	Readily biodegradable.
Biodegradation	98 % (OECD 301F method)

12.3. Bioaccumulative potential

Pentane (109-66-0)

Bioconcentration factor (BCF REACH)	171
Log Kow	3.45

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

Brake Cleaner

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

15 01 10* packaging containing residues of or contaminated by dangerous substances

16 05 04* gases in pressure containers (including halons) containing 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	Yes
Marine pollutant	Yes
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, 959
Limited quantities (IMDG)	SP277
Packing instructions (IMDG)	P207, LP02
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**

acetone - 1-methoxy-2-propanol - Pentane	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
Brake Cleaner - Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane - acetone - 1-methoxy-2-propanol - Pentane	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
Brake Cleaner - Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane - acetone - Pentane	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
Brake Cleaner - Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane - Pentane	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
acetone - 1-methoxy-2-propanol - Pentane	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)

95 %

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. For details, refer to section 3 and 8.

REGULATION (EC) No. 648/2004 on detergents**Component**

%

aliphatic hydrocarbons

>=30%

Seveso Information

P3a FLAMMABLE AEROSOLS
'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids Category 1
E2 Hazardous to the Aquatic Environment in Category Chronic 2

National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

16. SECTION 16: Other information

Indication of changes

Section 1 - Section 16.

Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE	Acute Toxicity Estimate.
BCF	Bioconcentration factor.
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.
DMEL	Derived Minimal Effect level.
DNEL	Derived-No Effect Level.
EC50	Median effective concentration.
IARC	International Agency for Research on Cancer.
IATA	International Air Transport Association.
IMDG	International Maritime Dangerous Goods.
LC50	Median lethal concentration.
LD50	Median lethal dose.
LOAEL	Lowest Observed Adverse Effect Level.
NOAEC	No-Observed Adverse Effect Concentration.
NOAEL	No-Observed Adverse Effect Level.
NOEC	No-Observed Effect Concentration.
OECD	Organisation for Economic Co-operation and Development.
PBT	Persistent Bioaccumulative Toxic.
PNEC	Predicted No-Effect Concentration.
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
SDS	Safety Data Sheet.
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail.
STP	Sewage treatment plant.
TLM	Median Tolerance Limit.
vPvB	Very Persistent and Very Bioaccumulative.
SDS	Safety Data Sheet.
OEL	Occupational Exposure Limit.
RRN	REACH Registration no..
CAO	Cargo Aircraft Only.
PCA	Passenger and Cargo Aircraft.

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

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. Liq. 1	Flammable liquids, Category 1.
Flam. Liq. 2	Flammable liquids, Category 2.
Flam. Liq. 3	Flammable liquids, Category 3.
Press. Gas (Liq.)	Gases under pressure : Liquefied gas.
Skin Irrit. 2	Skin corrosion/irritation, Category 2.
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis.
H222	Extremely flammable aerosol.
H224	Extremely flammable liquid and vapour.
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.
H315	Causes skin irritation.
H319	Causes serious eye 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
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
STOT SE 3	H336	Calculation method
Asp. Tox. 1	H304	
Aquatic Chronic 2	H411	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: Brake Cleaner
Ford Int. Ref. No.: 125782

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Print Date: 06.10.2017

Involved Products:

	Finiscode	Part number	Container Size:
1.	1 781 419	3U7J 2C410 AB	500 ml
2.	1 004 510	950X 19518 AA	150 ml