



SPOILER CLEANER

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

ISSUE DATE: 26.06.2014
REVISION DATE: 28.04.2017
SUPERSEDES DATE: 09.07.2014
VERSION: 3.1

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

1.1. Product identifier

Trade name	Spoiler Cleaner
IUPAC name	heptane
Product code	Ford Internal Ref.: 130446
SDS Number	7676
CAS- No	142-82-5
EC Index-No.	601-008-00-2
EC- No	205-563-8
REACH registration No	01-2119457603-38-XXXX
Product use	Professional use

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

Relevant identified uses	Cleaning/washing agents and additives
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	Flammable liquids, Category 2	H225	Highly flammable liquid and vapour.
Health hazards	Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
	Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness.
	Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways.
Environmental hazards	Hazardous to the aquatic environment — Acute Hazard, Category 1	H400	Very toxic to aquatic life.
	Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410	Very 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

Hazard statements

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves, eye protection, face protection.

Response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331 Do NOT induce vomiting.

P391 Collect spillage.

P370+P378 In case of fire: Use dry sand, extinguishing powder, alcohol resistant foam to extinguish.

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

3.1. Substances

Chemical name	CAS- No EC- No Index No RRN	%	Notes
heptane	142-82-5 205-563-8 601-008-00-2 01-2119457603-38-XXXX	90 - 100	# (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.

#: 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

Call a physician immediately.

Inhalation

Remove person to fresh air and keep comfortable for breathing.

Skin contact

Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.

Eyes contact

Rinse eyes with water as a precaution.

Ingestion	Do not induce vomiting. Call a physician immediately.
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 ingestion	Risk of lung oedema.
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	Highly flammable liquid and vapour.
Hazardous combustion products	Toxic fumes may be released.
5.3. Advice for firefighters	
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".
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 leak if safe to do so. Absorb remaining liquid with sand or inert absorbent and remove to safe place. Flush residue with large amounts of water. Small spills: Wipe up with absorbent material (for example cloth). Clean surface thoroughly to remove residual contamination.
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. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

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

Technical measures Ground/bond container and receiving equipment.
Storage conditions Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Storage temperature 5 - 25 °C

7.3. **Specific end use(s)** No additional information available.

8. SECTION 8: Exposure controls/personal protection

8.1. Control parameters

EU

Regulation	Substance	Type	Value
COMMISSION DIRECTIVE 2000/39/EC	Spoiler Cleaner (142-82-5)	IOELV TWA	2085 mg/m ³
	n-Heptane	IOELV TWA	500 ppm

United Kingdom

Regulation	Substance	Type	Value
EH40. HSE	Spoiler Cleaner (142-82-5)	WEL TWA	2085 mg/m ³
	n-Heptane	WEL TWA	500 ppm
	heptane (142-82-5)	WEL TWA	2085 mg/m ³
	n-Heptane	WEL TWA	500 ppm

DNEL: Derived no effect level

Components	Type	Route	Value	Form
heptane (142-82-5)	Worker	Dermal	300 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	2085 mg/m ³	Long-term - systemic effects
	Consumer	Oral	149 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	447 mg/m ³	Long-term - systemic effects
		Dermal	149 mg/kg bodyweight/day	Long-term - systemic effects

PNEC: Predicted no effect concentration

No data available.

8.2. Exposure controls

Appropriate engineering controls Ensure good ventilation of the work station.

Materials for protective clothing No additional information available.

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
Nitrile rubber (NBR)	6 (> 480 minutes)	0.4	Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.
In case of splash contact: Nitrile rubber (NBR)	6 (> 480 minutes)	0.4	Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.

Other protective measures	No additional information available.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment
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
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	-90 °C
Boiling point	98 °C @ 1013 hPa
Flash point	-4 °C (closed cup)
Auto-ignition temperature	215 °C
Decomposition temperature	No data available.
Flammability (solid, gas)	Not applicable.
Vapour pressure	48 hPa @ 20°C
Relative vapour density at 20 °C	No data available.
Relative density	0.71
Solubility	insoluble in water.
Log Pow	4.397
Viscosity, kinematic	0.64 mm ² /s @ 20°C
Viscosity, dynamic	0.387 mPa.s @ 20°C
Explosive properties	No data available.
Oxidising properties	No data available.
Lower explosive limit (LEL)	1 vol %
Upper explosive limit (UEL)	6.7 vol %

9.2. Other information

VOC (EU)	100 %
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10. SECTION 10: Stability and reactivity

10.1. Reactivity	Highly flammable liquid and vapour.
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 agent.

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	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	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 Very toxic to aquatic life with long lasting effects.

Acute aquatic toxicity

Substance / Product	Trophic level	Species	Type	Value	Duration	Remarks
Spoiler Cleaner	Fish	Oncorhynchus mykiss (Rainbow trout)	LL50	5.738 mg/l	96 h	
	crustacea	Chaetoga mmarus marinus	EC50	0.2 mg/l	48 h	
	crustacea	Daphnia magna	EC50	1.5 mg/l	48 h	
	algae	Pseudokirchnerella subcapitata	EL50	4.34 mg/l	72 h	

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

Spoiler Cleaner (142-82-5)

BCF fish 1	552
Log Pow	4.397

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

Spoiler Cleaner (142-82-5)

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

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

12.6. Other adverse effects

No additional information available.

13. SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	Flammable vapours may accumulate in the container.
European List of Waste (LoW) code	
14 06 03*	other solvents and solvent mixtures
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)	1206
UN-No. (IMDG)	1206
UN-No. (IATA)	1206
UN-No. (ADN)	1206
UN-No. (RID)	1206

14.2. UN proper shipping name

Proper Shipping Name (ADR)	HEPTANES
Proper Shipping Name (IMDG)	HEPTANES
Proper Shipping Name (IATA)	Heptanes
Proper Shipping Name (ADN)	HEPTANES
Proper Shipping Name (RID)	HEPTANES

14.3. Transport hazard class(es)

ADR	
Transport hazard class(es) (ADR)	3
Danger labels (ADR)	3
IMDG	
Transport hazard class(es) (IMDG)	3
Danger labels (IMDG)	3
IATA	
Transport hazard class(es) (IATA)	3
Hazard labels (IATA)	3
ADN	
Transport hazard class(es) (ADN)	3
Danger labels (ADN)	3
RID	
Transport hazard class(es) (RID)	3
Danger labels (RID)	3

14.4. Packing group

Packing group (ADR)	II
Packing group (IMDG)	II
Packing group (IATA)	II
Packing group (ADN)	II

Packing group (RID) II

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) F1
Limited quantities (ADR) 1I
Packing instructions (ADR) P001, IBC02, R001
Hazard identification number (Kemler No.) 33
Tunnel restriction code (ADR) D/E
EAC code 3YE

Transport by sea

Limited quantities (IMDG) 1 L
Packing instructions (IMDG) P001
EmS-No. (Fire) F-E
EmS-No. (Spillage) S-D
Stowage category (IMDG) B

Air transport

PCA Excepted quantities (IATA) E2
PCA Limited quantities (IATA) Y341
PCA limited quantity max net quantity (IATA) 1L
PCA packing instructions (IATA) 353
PCA max net quantity (IATA) 5L
CAO packing instructions (IATA) 364
CAO max net quantity (IATA) 60L
ERG code (IATA) 3H

Inland waterway transport

Classification code (ADN) F1
Limited quantities (ADN) 1 L
Carriage permitted (ADN) T

Rail transport

Classification code (RID) F1
Limited quantities (RID) 1L
Packing instructions (RID) P001, IBC02, R001
Hazard identification number (RID) 33

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

heptane	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
Spoiler Cleaner - heptane	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
Spoiler Cleaner - heptane	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
Spoiler Cleaner - heptane	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
heptane	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.
Spoiler Cleaner is not on the REACH Candidate List	
Spoiler Cleaner is not on the REACH Annex XIV List	

VOC (EU)	100 %
Seveso Information	P5c FLAMMABLE LIQUIDS Flammable liquids, Categories 2 or 3 not covered by P5a and P5b E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 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

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.
CAO	Cargo Aircraft Only.
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.
OEL	Occupational Exposure Limit.
PBT	Persistent Bioaccumulative Toxic.
PCA	PASSENGER AND CARGO AIRCRAFT.
PNEC	Predicted No-Effect Concentration.
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail.
RRN	REACH Registration Number.
SDS	Safety Data Sheet.
STP	Sewage treatment plant.
TLM	Median Tolerance Limit.
vPvB	Very Persistent and Very Bioaccumulative.

Full text of H- and EUH-statements

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1.
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1.
Asp. Tox. 1	Aspiration hazard, Category 1.
Flam. Liq. 2	Flammable liquids, Category 2.
Skin Irrit. 2	Skin corrosion/irritation, Category 2.
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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: Spoiler Cleaner
Ford Int. Ref. No.: 130446

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Involved Products:

	Finiscode	Part number	Container Size:
1.		2U7J M5B401 AA	100 ml
Part of Kit:			
	1 219 837	2U7J M2G376 AA	Spoiler Adhesive Kit – 2 Component
	2 176 271	HU7J M2G376 AA	Spoiler Adhesive Kit – 2 Component D2-100