#### **SPOILER CLEANER**

#### **SAFETY DATA SHEET**

according to Regulation (EU) 2015/830



ISSUE DATE: 26.06.2014 REVISION DATE: 29.04.2020 SUPERSEDES DATE: 28.04.2017

VERSION: 3.2

## 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.
		11440	A

Hazardous to the aquatic environment — H410 Very toxic to aquatic life with long lasting

Chronic Hazard, Category 1 ef

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, open flames, sparks. 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.

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

extinguish.

P391 Collect spillage.

#### 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	%	Classification according to Regulation (EC) No. 1272/2008	Notes
heptane	142-82-5 205-563-8 601-008-00-2 01-2119457603-38- XXXX	95 - 100	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	# (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. 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

Value

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

Substance

#### 8.1. Control parameters

Regulation

COMMISSION	Spoiler Cleaner (142-82-5)	IOELV TWA	2085 mg/m³	
DIRECTIVE	n-Heptane	IOELV TWA	500 ppm	
2000/39/EC	heptane (142-82-5)	IOELV TWA	2085 mg/m <sup>3</sup>	
	n-Heptane	IOELV TWA	500 ppm	
United Kingdom				
Regulation	Substance	Туре	Value	
EH40. HSE	Spoiler Cleaner (142-82-5)	WEL TWA	2085 mg/m <sup>3</sup>	
	oponor oroanor (1 12 02 0)	*******	2000 mg/m	
	n-Heptane	WEL TWA	500 ppm	
	1 '		•	
	n-Heptane	WEL TWA	500 ppm	

Type

## **DNEL:** Derived no effect level

No data available

Components	Туре	Route	Value	Form
heptane (142-82-5)	Worker	Dermal	300 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	2085 mg/m <sup>3</sup>	Long-term - systemic effects
	Consumer	Oral	149 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	447 mg/m³	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 controlsEnsure good ventilation of the work stationMaterials for protective clothingNo additional information available.

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

Eye protection Safety glasses

Skin protection

Hand protection 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

		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 I	Other protective measures		No additional information available.	
Respiratory protection		In case of insufficient ventilation, wear suitable respiratory equipment		
Skin and body protection		Wear suitable protective clothing		
Thermal hazard protection		No additional information available.		

Avoid release to the environment.

## 9. SECTION 9: Physical and chemical properties

**Environmental exposure controls** 

#### 9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Colourless.
Odour	Characteristic.
Odour threshold	No data available
рН	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 mm²/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 %
Office that consider	

## 9.2. Other information

VOC (EU) 100 %

## 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.

should not be produced.

## 11. SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Based on available data, the classification criteria are not met. Acute toxicity 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 Based on available data, the classification criteria are not met Carcinogenicity 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.

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

Substance / Product	Trophic level	Species	Type	Value	Duration	Remarks
Spoiler Cleaner	Fish	Oncorhync hus mykiss (Rainbow trout)		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	Pseudokirc hnerella subcapitat a	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)

Sponer Gleaner (142-02-0)		
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) ||
Packing group (IMDG) ||
Packing group (IATA) ||
Packing group (ADN) ||
Packing group (RID) ||

#### 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) 1

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 LPacking instructions (IMDG)P001EmS-No. (Fire)F-EEmS-No. (Spillage)S-DStowage 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

## Rail transport

Classification code (RID) F1
Limited quantities (RID) 1L

Packing instructions (RID) P001, IBC02, R001

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## 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

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
Spoiler Cleaner; 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 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**

## Indication of changes

Section 1 - Section 16.

Abbreviations and acronyn	ns
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 (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.

Maximum allowable workplace concentration - daily mean value / Technical standard MAK-Tmw, TRK-Tmw

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 PC (Chemical product category)

category) **PNEC** 

POCP

Predicted No-Effect Concentration Photochemical ozone creation potential.

POP Persistent Organic Pollutants PPE Personal protective equipment

Process category Process category

Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 **REACH** 

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).

#### 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..

May be fatal if swallowed and enters airways... H304

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 REVISION DATE: 29.04.2020

**Involved Products:** 

Finiscode Part number Container Size:

1 2U7J M5B401 AA 100 ml

Part of Kit:

2 176 271 HU7J M2G376 AA Spoiler Adhesive Kit – 2 Component D2-100