CLEANER H-IP

Ford

SAFETY DATA SHEET

Compiled in accordance with REACH Regulation (EC) No 1907/2006, as retained and amended in UK law

ISSUE DATE: 21.02.2022 REVISION DATE: 21.02.2022

VERSION: 1.0

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

1.1. Product identifier

Product form : Substance
Trade name : Cleaner H-IP
Chemical name : propan-2-ol

Product code : Ford Internal Ref.: 506216

SDS Number : 9462

UFI : 1WX6-FFR4-Q10M-SG98

EC Index-No. : 603-117-00-0 EC- No : 200-661-7 CAS- No : 67-63-0

REACH registration No : 01-2119457558-25-XXXX

Formula : C3H8O
Product use : Professional use

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

1.2.1. Relevant identified uses

Function or use category : Cleaning product

1.2.2. Uses advised against

Restrictions on use : 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)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations

Physical hazardsFlammable liquids, Category 2H225Highly flammable liquid and vapour.Health hazardsSerious eye damage/eye irritation,H319Causes serious eye irritation.

Category 2

Specific target organ toxicity — Single H336 May cause drowsiness or dizziness.

exposure, Category 3, Narcosis

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations

Hazard pictograms





Signal word Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements

Prevention

P210 Keep away from heat, hot surfaces, open flames, sparks. No smoking.

P261 Avoid breathing mist, vapours.

P280 Wear eye protection, face protection

Response

P370+P378 In case of fire: Use foam, extinguishing powder, carbon dioxide (CO2) to extinguish.

Storage

P403+P235 Store in a well-ventilated place. Keep cool.

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.

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

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 [CLP]	Notes
propan-2-ol	67-63-0 200-661-7 603-117-00-0 01-2119457558-25-XXXX	80 – 100	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.

First-aid measures after skin contact : Take off immediately all contaminated clothing and wash it before reuse. Wash immediately with

plenty of water. Get medical advice/attention.

First-aid measures after eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes

minimum). Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician

immediately.

First-aid measures after ingestion : Do not induce vomiting. Rinse mouth thoroughly. Get immediate medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : May cause drowsiness or dizziness. Symptoms/effects after eye contact : Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : All types of fire extinguishers are suitable.

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 decomposition products in case of fire : During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Firefighting instructions : Move containers from fire area if it can be done without personal risk. Use standard firefighting

procedures and consider the hazards of other involved materials.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear appropriate protective equipment and clothing during clean-up. Use personal protection

recommended in Section 8 of the MSDS.

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin, eyes and

clothing. Local authorities should be advised if significant spillages cannot be contained. Wear

appropriate protective equipment and clothing during clean-up.

6.1.2. For emergency responders

Protective equipment : Wear recommended personal protective equipment. For personal protection, see section 8 of the

SDS.

Emergency procedures : Keep unnecessary personnel away. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground. Prevent further leakage or spillage if safe to do so. Inform appropriate managerial or supervisory personnel of all environmental releases.

6.3. Methods and material for containment and cleaning up

For containment : Stop leak without risks if possible. Move containers from fire area if it can be done without personal

risk.

Methods for cleaning up : Take up liquid spill into absorbent material. Large Spills: Stop the flow of material, if this is without

risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water. Small spills: Stop leak without risks if possible. 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 8: "Exposure controls/personal protection". For disposal of residues refer to section 13: "Disposal considerations".

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. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid release to the

environment. Avoid contact with skin, eyes and clothing.

Hygiene measures : Always observe good personal hygiene measures, such as washing after handling the material and

before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to

remove contaminants. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ensure adequate ventilation, especially in confined areas.

Storage conditions : Store locked up. Store in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Cleaning product.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

propan-2-ol	(67-63-0)

United Kingdom -	Occupational	l Exposure Limits	,
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 Local name
 Propan-2-ol

 WEL TWA (OEL TWA) [1]
 999 mg/m³

 WEL TWA (OEL TWA) [2]
 400 ppm

 WEL STEL (OEL STEL)
 1250 mg/m³

 WEL STEL
 500 ppm

Regulatory reference EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

propan-2-ol (67-63-0)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal 888 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 500 mg/m³

DNEL/DMEL (General population)

Long-term - systemic effects,oral 26 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 89 mg/m³

Long-term - systemic effects, dermal 319 mg/kg bodyweight/day

PNEC (Water)

PNEC aqua (freshwater) 140.9 mg/l
PNEC aqua (marine water) 140.9 mg/l
PNEC aqua (intermittent, freshwater) 140.9 mg/l

PNEC (Sediment)

PNEC sediment (freshwater)	552 mg/kg dwt
PNEC sediment (marine water)	552 mg/kg dwt

PNEC (Soil)

PNEC soil 28 mg/kg dwt

PNEC (Oral)

PNEC oral (secondary poisoning) 160 mg/kg food

PNEC (STP)

PNEC sewage treatment plant 2251 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering 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.

8.2.2. Personal protection equipment

Personal protective equipment:

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

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses with side shields. EN 166.

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing. Long sleeved protective clothing. EN 14605. EN ISO 13982

Hand protection:

EN 374. 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 skin protection

Materials for protective clothing:

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

8.2.2.3. Respiratory protection

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn

8.2.2.4. Thermal hazards

Thermal hazard protection:

Wear appropriate thermal protective clothing, when necessary.

8.2.3. Environmental exposure controls

Environmental exposure controls:

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

Other information:

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : Colourless. Clear.

: Liquid. Appearance Odour : Characteristic. Odour threshold Not available : Not available Melting point Freezing point : Not available Boiling point : 82 °C @ 1.013 hPa : Not available Flammability : Not available **Explosive limits** Lower explosive limit (LEL) : 2 vol %

Upper explosive limit (UEL) : 12 vol % : 13 °C (closed cup) Flash point : Not available Auto-ignition temperature Decomposition temperature : Not available : Not available : Not available Viscosity, kinematic : Miscible with water. Solubility Log Kow : Not available : 42 mbar @ 20°C Vapour pressure Vapour pressure at 50 °C : Not available Density : 0.79 g/cm3 @ 20°C : Not available Relative density Relative vapour density at 20 °C Not available : Not applicable Particle size : Not applicable Particle size distribution Particle shape : Not applicable Particle aspect ratio Not applicable Particle aggregation state : Not applicable : Not applicable Particle agglomeration state Particle specific surface area : Not applicable

9.2. Other information

Particle dustiness

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : 100 %

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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 heat, sparks, open flames and other ignition sources.

: Not applicable

10.5. Incompatible materials

Oxidising agents.

10.6. Hazardous decomposition products

During fire, gases hazardous to health may be formed.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Based on available data, the classification criteria are not met
Acute toxicity (dermal)	: Based on available data, the classification criteria are not met
Acute toxicity (inhalation)	: Based on available data, the classification criteria are not met
Skin corrosion/irritation	: Based on available data, the classification criteria are not met
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	: 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.

propan-2-ol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure :	Based on available data, the classification criteria are not met

: Based on available data, the classification criteria are not met

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Aspiration hazard

12.1. TOXICILY	
Ecology - general	: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Hazardous to the aquatic environment, short-term (acute)	: Based on available data, the classification criteria are not met
Hazardous to the aquatic environment, long-term (chronic)	: Based on available data, the classification criteria are not met
12.2. Persistence and degradability	
propan-2-ol (67-63-0)	
Persistence and degradability	Readily biodegradable. Biochemical oxygen demand within 5 days (BOD5).
12.3. Bioaccumulative potential	

propan-2-ol (67-63-0)

Bioconcentration factor (BCF REACH)	0
Log Pow	0.05 at 25 °C

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Cleaner H-IP (67-63-0)

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. Endocrine disrupting properties

No additional information available

12.7. 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

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 closed containers at licensed waste disposal site. Do not contaminate ponds, waterways or ditches with chemical or used container. Do not allow to enter drains or water courses. Dispose of contents/container in accordance with licensed collector's sorting instructions.

European List of Waste (LoW) code

: The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

14 06 03* - other solvents and solvent mixtures

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

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number

 UN-No. (ADR)
 : UN 1219

 UN-No. (IMDG)
 : UN 1219

 UN-No. (IATA)
 : UN 1219

 UN-No. (ADN)
 : UN 1219

 UN-No. (RID)
 : UN 1219

14.2. UN proper shipping name

Proper Shipping Name (ADR) : ISOPROPANOL (ISOPROPYL ALCOHOL)
Proper Shipping Name (IMDG) : ISOPROPANOL (ISOPROPYL ALCOHOL)

Proper Shipping Name (IATA) : Isopropanol

Proper Shipping Name (ADN) : ISOPROPANOL (ISOPROPYL ALCOHOL)
Proper Shipping Name (RID) : ISOPROPANOL (ISOPROPYL ALCOHOL)

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

 Product code: Ford Internal Ref.: 506216
 GB - en
 Revision date: 2/21/2022
 8/11

Packing group (IATA) : II
Packing group (ADN) : II
Packing group (RID) : II

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) : F1
Special provisions (ADR) : 601
Limited quantities (ADR) : 11

Packing instructions (ADR) : P001, IBC02, R001

Hazard identification number (Kemler No.) : 33

Tunnel restriction code (ADR) : D/E

EAC code : •2YE

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

: E2 PCA Excepted quantities (IATA) PCA Limited quantities (IATA) : Y341 PCA limited quantity max net quantity (IATA) : 1L PCA packing instructions (IATA) : 353 PCA max net quantity (IATA) : 5L : 364 CAO packing instructions (IATA) : 60L CAO max net quantity (IATA) Special provisions (IATA) : A180 ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1
Special provisions (ADN) : 601
Limited quantities (ADN) : 1 L
Carriage permitted (ADN) : T

Rail transport

Classification code (RID) : F1
Special provisions (RID) : 601
Limited quantities (RID) : 1L

Packing instructions (RID) : P001, IBC02, R001

Hazard identification number (RID) : 33

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)

Reference code Applicable on

3(a) Cleaner H-IP; propan-2-ol

3(b)Cleaner H-IP; propan-2-ol 40. Cleaner H-IP; propan-2-ol

Cleaner H-IP is not on the REACH Candidate List

Cleaner H-IP is not on the REACH Annex XIV List

Cleaner H-IP is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 july 2012 concerning the export and import of hazardous chemicals.

Cleaner H-IP is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content 100 %

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. Directive 92/85/EEC on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding as amended. For details, refer to section 3 and 8.

Directive 2012/18/EU (SEVESO III)

Seveso Additional information Not applicable

Seveso III Part I (Categories of dangerous substances)

Qualifying quantity (tonnes)

	Lower-tier	Upper-tier
P5c FLAMMABLE LIQUIDS	5000	50000

Flammable liquids, Categories 2 or 3 not covered by P5a and P5b

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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

STEL Short-term Exposure Limit VOC Volatile organic compounds 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

Lowest Observed Adverse Effect Level LOAEL No-Observed Adverse Effect Concentration NOAEC **NOAEL** No-Observed Adverse Effect Level **NOEC** No-Observed Effect Concentration **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 STP Sewage treatment plant TLM Median Tolerance Limit

vPvB Very Persistent and Very Bioaccumulative

OEL Occupational Exposure Limit RRN REACH Registration no.

TWA Time Weighted Average. The average concentration of a chemical in air over the total exposure time-usually an 8-hour

workday.

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

Eye Irrit. 2 Serious eye damage/eye irritation, Category 2

Flam. Liq. 2 Flammable liquids, Category 2
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Narcosis

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.





Product Name: Cleaner H-IP

Ford Int. Ref. No.: 506216 Revision Date: 21.02.2022

Involved Products:

Finiscode Part number Container Size:

1 2 620 388 NU7J M5B554 AA 250 ml