



Petrol Extreme Cleaner

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

MSDS Version: E05.00

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Blend Version: 4

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

1.1. Product identifier

Product form : Mixture
Product name : Petrol Extreme Cleaner
Product code : W29793

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Petrol additive.
Function or use category : Fuel additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Wynn's Belgium
Industriepark-West 46
9100 Sint-Niklaas - Belgium
T +32 3 766 60 20 - F +32 3 778 16 56
msds@wynns.eu - www.wynns.com

1.4. Emergency telephone number

Emergency number : BIG: +32(0)14/58.45.45 (NL FR EN DE)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 3	H226
Skin Irrit. 2	H315
STOT RE 2	H373
Asp. Tox. 1	H304

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

GHS07

GHS08

Signal word (CLP) : Danger

Hazardous ingredients : hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%); distillates (Fischer-Tropsch), C8-26, branched and linear

Hazard statements (CLP) : H226 - Flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H373 - May cause damage to organs (central nervous system) through prolonged or repeated exposure.

Precautionary statements (CLP) : P102 - Keep out of reach of children.
P405 - Store locked up.
P210 - Keep away from heat, open flames, sparks, hot surfaces. No smoking.
P260 - Do not breathe vapours.
P280 - Wear protective gloves.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor
P331 - Do NOT induce vomiting.

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2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	% w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
distillates (Fischer-Tropsch), C8-26, branched and linear	(CAS-No.) 848301-67-7 (EC-No.) 481-740-5 (REACH-no) 01-0000020119-75	50 - 75	Asp. Tox. 1, H304
polyetheramine	(CAS-No.) 224622-34-8	10 - 25	Skin Irrit. 2, H315 Aquatic Chronic 3, H412
4-methylpentan-2-ol	(CAS-No.) 108-11-2 (EC-No.) 203-551-7 (EC Index-No.) 603-008-00-8 (REACH-no) 01-2119473979-13	5 - 10	Flam. Liq. 3, H226 Eye Irrit. 2, H319 STOT SE 3, H335
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	(EC-No.) 919-164-8 (REACH-no) 01-2119473977-17	1 - 2,5	STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
Name	Product identifier	Specific concentration limits	
4-methylpentan-2-ol	(CAS-No.) 108-11-2 (EC-No.) 203-551-7 (EC Index-No.) 603-008-00-8 (REACH-no) 01-2119473979-13	(C >= 25) STOT SE 3, H335	

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Check the vital functions. Keep victim at rest in half upright position. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Keep watching the victim. Give psychological aid. Prevent cooling by covering the victim (no warming up). Keep the victim calm, avoid physical strain. If necessary seek medical advice.
- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : IF IN EYES: 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.
- First-aid measures after ingestion : If swallowed, rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell. Ingestion of large quantities: immediately to hospital.

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

- Symptoms/effects after skin contact : Causes skin irritation.
- Symptoms/effects after ingestion : Risk of aspiration pneumonia. May be fatal if swallowed and enters airways.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. AFFF foam. ABC-powder.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable liquid and vapour. Gas/vapour spreads at floor level: ignition hazard. Take precautionary measures against static discharge.
- Explosion hazard : No direct explosion hazard.

5.3. Advice for firefighters

Firefighting instructions : Prevent fire fighting water from entering the environment.

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Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable gloves and eye/face protection. protective clothing.

Emergency procedures : Mark the danger area. Prevent flow to low areas. In confined space use self-contained breathing apparatus. Take off contaminated clothing.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Impound and recover large spill. Contain leaking substance, pump over in suitable containers.

Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Clean preferably with a detergent - Avoid the use of solvents.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Meet the legal requirements. Repeated exposure may cause skin dryness or cracking. Presents no particular risk when handled in accordance with good occupational hygiene practice.

Hygiene measures : Use good personal hygiene practices. IF ON SKIN: Gently wash with plenty of soap and water. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Meet the legal requirements. Protect from sunlight. Store in a well-ventilated place.

Storage temperature : < 45 °C

Storage area : Meet the legal requirements. Fireproof storeroom. Ventilation along the floor.

Special rules on packaging : Store in a closed container. Labelling according to.

7.3. Specific end use(s)

Read label before use. Observe the label precautions. See product bulletin for detailed information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Belgium Limit value (mg/m³) 533 mg/m³

Belgium Limit value (ppm) 100 ppm

Italy - Portugal - USA ACGIH TWA (ppm) 100 ppm
ACGIH

4-methylpentan-2-ol (108-11-2)

Belgium Limit value (mg/m³) 106 mg/m³

Belgium Limit value (ppm) 25 ppm

Belgium Short time value (mg/m³) 169 mg/m³

Belgium Short time value (ppm) 40 ppm

Belgium Remark (BE) D

France VME (mg/m³) 100 mg/m³

France VME (ppm) 25 ppm

Germany TRGS 900 Occupational exposure limit value (mg/m³) 85 mg/m³

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4-methylpentan-2-ol (108-11-2)

Germany	TRGS 900 Occupational exposure limit value (ppm)	20 ppm
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	25 ppm
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	40 ppm
United Kingdom	WEL TWA (mg/m ³)	106 mg/m ³
United Kingdom	WEL TWA (ppm)	25 ppm
United Kingdom	WEL STEL (mg/m ³)	170 mg/m ³
United Kingdom	WEL STEL (ppm)	40 ppm

distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)

PNEC (Sediment)	
PNEC sediment (freshwater)	2,06 mg/kg dwt
PNEC (Soil)	
PNEC soil	1,68 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

4-methylpentan-2-ol (108-11-2)

DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	208 mg/m ³
Acute - local effects, inhalation	104 mg/m ³
Long-term - systemic effects, dermal	11,8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	83 mg/m ³
Long-term - local effects, inhalation	83 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	155,2 mg/m ³
Acute - local effects, inhalation	52,1 mg/m ³
Long-term - systemic effects, oral	4,2 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	14,7 mg/m ³
Long-term - systemic effects, dermal	4,2 mg/kg bodyweight/day
Long-term - local effects, inhalation	14,7 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0,6 mg/l
PNEC aqua (marine water)	0,06 mg/l
PNEC aqua (intermittent, freshwater)	3,3 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	2,94 mg/kg dwt
PNEC sediment (marine water)	0,3 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,24 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	1 mg/l

8.2. Exposure controls

Appropriate engineering controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Does not require any specific or particular technical measures.

Personal protective equipment

: Gloves. Safety glasses.



Hand protection

: Neoprene. Nitrile rubber. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Time of penetration is to be checked with the glove producer.

Other information

: Breakthrough time : >30'. Thickness of the glove material >0,1 mm.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: clear.
Colour	: Yellow.
Odour	: petroleum-like odour.
Odour threshold	: No data available
pH	:
Relative evaporation rate (butylacetate=1)	: No data available
refraction index	: 1,435
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 48 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density @20°C	: 800 kg/m ³
Solubility	: insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic @40°C	: 3,79 mm ² /s
Viscosity, dynamic @40°C	: No data available
Viscosity	:
Viscosity Index	:
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content	: 84,61 %
Additional information	: The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

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

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. On burning: release of harmful/irritant gases/vapours. Carbon monoxide. Carbon dioxide.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful: may cause lung damage if swallowed

distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)

LD50 oral rat > 5000 mg/kg bodyweight Sprague-Dawley

LD50 dermal rat > 2000 mg/kg bodyweight Sprague-Dawley

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

LD50 oral rat > 15000 mg/kg

LD50 dermal rabbit > 3400 mg/kg

LC50 inhalation rat (mg/l) > 13,1 mg/l/4h

4-methylpentan-2-ol (108-11-2)

LD50 oral rat 2590 mg/kg bodyweight

LD50 dermal rabbit 2870 mg/kg bodyweight

LC50 inhalation rat (mg/l) > 16 mg/l/4h Wistar

ATE CLP (oral) 2590 mg/kg bodyweight

ATE CLP (dermal) 2870 mg/kg bodyweight

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : May cause damage to organs (central nervous system) through prolonged or repeated exposure.

Aspiration hazard : May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : This product contains hazardous components for the aquatic environment.

Ecology - water : Harmful to aquatic life with long lasting effects.

distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)

LC50 fish 1 > 1000 mg/l @96h Pimephales promelas

EC50 Daphnia 1 > 1000 mg/l @48h Daphnia magna

EC50 other aquatic organisms 1 > 1000 mg/l @72h Pseudokirchneriella subcapitata

NOEC (acute) > 1000 mg/l @48h Daphnia magna

4-methylpentan-2-ol (108-11-2)

LC50 fish 1 > 92,4 mg/l @96h Pimephales promelas

EC50 Daphnia 1 48h 337 mg/l Daphnia magna

EC50 other aquatic organisms 1 96h 334 mg/l Pseudokirchneriella subcapitata

NOEC (acute) 48h 288 mg/l Daphnia magna

12.2. Persistence and degradability

distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)

Persistence and degradability Readily biodegradable.

4-methylpentan-2-ol (108-11-2)

Persistence and degradability Readily biodegradable in water. easily degradable in the soil.

12.3. Bioaccumulative potential

distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)

Log Pow > 6,5 @40°C

12.4. Mobility in soil

No additional information available

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12.5. Results of PBT and vPvB assessment

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Remove to an authorized waste treatment plant.
European List of Waste (LoW) code : 18 01 06* - chemicals consisting of or containing dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR) : 1993

14.2. UN proper shipping name

Proper Shipping Name (ADR) : FLAMMABLE LIQUID, N.O.S.
Transport document description (ADR) : UN 1993 FLAMMABLE LIQUID, N.O.S. (METHYL ISOBUTYL CARBINOL), 3, III, (D/E)

14.3. Transport hazard class(es)

Class (ADR) : 3
Danger labels (ADR) : 3



14.4. Packing group

Packing group (ADR) : III

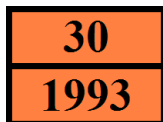
14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 30
Classification code (ADR) : F1
Orange plates :



Special provisions (ADR) : 274, 601, 640E
Transport category (ADR) : 3
Tunnel restriction code (ADR) : D/E
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1
EAC code : •3YE

14.6.2. Transport by sea

EmS-No. (1) : F-E, S-E

14.6.3. Air transport

Instruction "cargo" (ICAO) : 366
Instruction "passenger" (ICAO) : 355

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Instruction "passenger" - Limited quantities (ICAO) : Y344

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 84,61 %

15.1.2. National regulations

Water hazard class (WGK) : 1 - Slightly hazardous to water

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.