



PETROL INJECTOR CLEANER

Product code: 77001

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Version: 4.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier.

Product form: Mixture

Product name: 77 Lubricants Petrol Injector Cleaner

UFI: 9R80-Y030-4004-HTS7

Product code: 77001



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

Relevant identified uses

Main use category: Professional use

Function or use category: Lubricants and additives

1.3 Details of the supplier of the safety data sheet

• Manufacturer/Supplier:

- Petromark Automotive Chemicals B.V.
- Rooswijkweg 316
- 1951 ME Velsen-Noord – Nederland
- Tel +31 251 211397 / Fax. +31 251 212390
- info@petromark.eu

• Further information obtainable from: Research & Development: sales@petromark.eu

1.4 Emergency telephone: During normal business hours: Tel: +31 251 211397

Country/Area	Organisation/Company	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)



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SECTION 2: HAZARDS IDENTIFICATION.

· 2.1 Classification of the substance or mixture

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

Aspiration hazard, Category 1 H304

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

Adverse physicochemical, human health and environmental effects

May be fatal if swallowed and enters airways.

· 2.2 Label elements

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

Hazard pictograms (CLP) :



GHS08

Signal word (CLP):

Danger

Contains:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Hazard statements (CLP):

H304 - May be fatal if swallowed and enters airways.

Precautionary statements (CLP):

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

P331 - Do NOT induce vomiting.

P405 - Store locked up.

P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH-statements:

EUH066 - Repeated exposure may cause skin dryness or cracking.

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are 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 at a concentration equal to or greater than 0,1 %



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

• 3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics substance with a Community workplace exposure limit	CAS-No.: 64742-48-9 EC-No.: 918-481-9 REACH-no: 01-2119457273-39	≥ 75 – < 100	Asp. Tox. 1, H304 EUH066
Phenol,(dimethylamino)methyl-, polyisobutylene derivs. (Polymer)	EC-No.: 937-027-0	≥ 2.5 – < 10	Aquatic Chronic 3, H412

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:**
- **First-aid measures after inhalation:**
- **First-aid measures after skin contact:**
- **First-aid measures after eye contact:**
- **First-aid measures after ingestion:**
- **Self protection of the first-aider:**

Call a physician immediately.
Remove person to fresh air and keep comfortable for breathing.
Wash skin with plenty of water.
Rinse eyes with water as a precaution.
Do not induce vomiting. Call a physician immediately.
First aid workers will be equipped with suitable personal protective equipment.

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

- **Symptoms/effects after inhalation:**
None under normal conditions.
- **Symptoms/effects after skin contact:**
None under normal conditions.
- **Symptoms/effects after eye contact:**
None under normal conditions.
- **Symptoms/effects after ingestion:**
Risk of lung oedema.

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

Treat symptomatically.



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SECTION 5: FIRE-FIGHTING MEASURES.

· 5.1 Extinguishing media

Suitable extinguishing media:

Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media:

Do not use a heavy water stream.

· 5.2 Special hazards arising from the substance or mixture

Fire hazard:

No fire hazard.

Explosion hazard:

No direct explosion hazard.

Hazardous decomposition products in case of fire:

Toxic fumes may be released.

· 5.3 Advice for firefighters

Firefighting instructions:

Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

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

General measures:

Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

For non-emergency personnel

Wear recommended personal protective equipment.

Protective equipment:

Ventilate spillage area.

Emergency procedures:

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

For emergency responders

Evacuate unnecessary personnel. Stop leak if safe to do so.

Protective equipment:

Avoid release to the environment.

· 6.2 Environmental precautions:



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• 6.3 Methods and material for containment and cleaning up:

For containment: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up: Take up liquid spill into absorbent material.

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.

SECTION 7: HANDLING AND STORAGE.

• 7.1 Precautions for safe handling

Additional hazards when processed: Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures: 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: Keep in a cool, well-ventilated place away from heat.

Storage conditions: Store locked up.

Packaging materials: Store always product in container of same material as original container.

• 7.3 Specific end use(s)

No additional information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

• 8.1 Control parameters

National occupational exposure and biological limit values

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	1200 mg/m³
	184 ppm



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· 8.2 Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station.
Personal protective equipment: Wear recommended personal protective equipment.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection: Safety glasses

Eye protection

Type	Field of application	Characteristics	Standard
Safety glasses	Droplet	clear	EN 166

Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Protective gloves

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Nitrile rubber (NBR)	5 (> 240 minutes), 6 (> 480 minutes)	≥ 0.5		EN ISO 374

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls: Avoid release to the environment.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

· 9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	clear.
Molecular mass:	160 g/mol
Odour:	Not available
Odour threshold:	Not available
Melting point:	Not applicable
Freezing point:	Not available
Boiling point:	184 – 214 °C (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics)
Flammability:	Non flammable.
Lower explosion limit:	0.6 vol % (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics)
Upper explosion limit:	6 vol % (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics)
Flash point:	66 °C
Auto-ignition temperature:	233 °C
Decomposition temperature:	Not available
pH:	Not available
Viscosity, kinematic:	1.7 mm ² /s @ 20°C
Solubility:	Water: 0.04 g/l
Partition coefficient n-octanol/water (Log Kow):	Not available
Partition coefficient n-octanol/water (Log Pow):	0.60206
Vapour pressure:	0.5 hPa @ 20°C (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics)
Vapour pressure at 50°C:	Not available
Density:	0.79 g/cm ³
Relative density:	Not available
Relative vapour density at 20°C:	Not available
Particle characteristics:	Not applicable

· 9.2. Other information

Other safety characteristics

VOC content:

94.8 %



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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

None under recommended storage and handling conditions (see section 7).

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.

SECTION 11: TOXICOLOGICAL INFORMATION.

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

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
LD50 oral (rat)	> 15000 mg/kg bodyweight OECD 401
LD50 dermal (rat)	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal (rabbit)	≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation: Not classified

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: Not classified

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight/day



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

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Viscosity, kinematic	1.7 mm ² /s @ 20°C

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
Viscosity, kinematic	1.8 mm ² /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm ² /s)'

· 11.2 Information on other hazards

No additional information available

SECTION 12: ECOLOGICAL INFORMATION.

· 12.1 Toxicity

Ecology - general:

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

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

Not classified

Hazardous to the aquatic environment, long-term (chronic):

Not classified

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
LC50 - Fish [1]	> 1000 mg/l Oncorhynchus mykiss
EC50 - Crustacea [1]	> 1000 mg/l Daphnia magna
EC50 72h - Algae [1]	> 1000 mg/l Pseudokirchneriella subcapitata

Phenol,(dimethylamino)methyl-, polyisobutylene derivs.	
LC50 - Fish [1]	31 mg/l Pimephales promelas
EC50 - Crustacea [1]	100 mg/l Daphnia magna

Phenol,(dimethylamino)methyl-, polyisobutylene derivs.	
EC50 96h - Algae [1]	> 450 mg/l Selenastrum capricornutum

12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable



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Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)

Persistence and degradability	Readily biodegradable.
Biodegradation	> 60 % OECD 301F

Phenol,(dimethylamino)methyl-, polyisobutylene derivs.

Persistence and degradability	Rapidly degradable
Biodegradation	20.7 % 28 Days

12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water (Log Pow)	0.60206

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)

Partition coefficient n-octanol/water (Log Pow)	≥ 3.17 – ≤ 7.22 Method QSAR ECHA
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS.

Regional waste regulation:

Disposal must be done according to official regulations.

Waste treatment methods:

Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations:

Disposal must be done according to official regulations.

Product/Packaging disposal recommendations:

Disposal must be done according to official regulations.

Additional information:

Do not re-use empty containers.

HP Code:

HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.



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SECTION 14: TRANSPORT INFORMATION.

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated for transport				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable



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SECTION 15: REGULATORY INFORMATION.

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals): Naphtha (petroleum), hydrotreated heavy (64742-48-9)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

VOC Directive (2004/42)

VOC content: 94.8 %

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out



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SECTION 16: OTHER INFORMATION.

Abbreviations and acronyms:	
ACGIH	American Conference of Government Industrial Hygienists
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
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	Chemical oxygen demand (COD)
CSA	Chemical safety assessment
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
ED	Endocrine disruptor
EN	European Standard
EWC	European waste catalogue
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
Log Kow	Partition coefficient n-octanol/water (Log Kow)
Log Pow	Partition coefficient n-octanol/water (Log Pow)
MAK	maximum workplace concentration
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
N.O.S.	Not Otherwise Specified



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OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
OSHA	Occupational Safety Health Administration
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
PPE	Personal protection equipment
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TF	Technical function
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TWA	Time Weighted Average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
UFI	Unique Formula Identifier

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
H304	May be fatal if swallowed and enters airways.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

The classification complies with: ATP 12