



# OIL ADDITIVE

**Product code:** 77008

**Issue date:** 01/10/2012

**Revision date:** 21/03/2025

**Supersedes version of:** 28/10/2024

**Version:** 3.2

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

### 1.1 Product identifier

**Product form :** Mixture

**Product name :** 77 Lubricants Oil Additive

**Product code :** 77008

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

#### Relevant identified uses

**Main use category:** Industrial use, Professional use

**Function or use category:** Lubricants and additives



### 1.3 Details of the supplier of the safety data sheet

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

**1.4 Emergency telephone number:** 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]

Not classified

#### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

### 2.2. Label elements

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

EUH-statements: EUH210 - Safety data sheet available on request.

### 2.3. Other hazards

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 %

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy paraffinic substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit (Note L)	CAS-No.: 64742-54-7 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8 REACH-no: 01-2119484627-25	$\geq 90$	Not classified

#### Note L:

The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.



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## SECTION 4: FIRST AID MEASURES.

### 4.1. Description of first aid measures

#### First-aid measures general:

If you feel unwell, seek medical advice.

#### First-aid measures after inhalation:

Remove person to fresh air and keep comfortable for breathing.

#### First-aid measures after skin contact:

Wash skin with plenty of water.

#### First-aid measures after eye contact:

Rinse eyes with water as a precaution.

#### First-aid measures after ingestion:

Call a poison center or a doctor if you feel unwell.

#### Self protection of the first-aider:

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 adequate first aid, no further treatment is required unless symptoms reappear.

#### Symptoms/effects after inhalation:

After adequate first aid, no further treatment is required unless symptoms reappear.

#### Symptoms/effects after skin contact:

After adequate first aid, no further treatment is required unless symptoms reappear.

#### Symptoms/effects after eye contact:

After adequate first aid, no further treatment is required unless symptoms reappear.

#### Symptoms/effects after ingestion:

After adequate first aid, no further treatment is required unless symptoms reappear.

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

Ingestion of large quantities: immediately to hospital. Obtain medical assistance. Treat symptomatically.

## 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 water jet since it may cause the fire to spread.

### 5.2. Special hazards arising from the substance or mixture

#### Fire hazard:

On burning: release of carbon monoxide - carbon dioxide.

#### Explosion hazard:

No direct explosion hazard.

#### Hazardous decomposition products in case of fire:

Toxic fumes may be released.

### 5.3. Advice for firefighters

#### Precautionary measures fire:

Exercise caution when fighting any chemical fire.

#### Firefighting instructions:

Use water spray or fog for cooling exposed containers.

Do not enter fire area without proper protective equipment, including respiratory protection.



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## SECTION 6: ACCIDENTAL RELEASE MEASURES.

### 6.1. Personal precautions, protective equipment and emergency procedures

#### General measures:

Evacuate area. 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

#### Protective equipment:

#### Emergency procedures:

#### For emergency responders

#### Protective equipment:

Wear recommended personal protective equipment. Ventilate spillage area.

Do not attempt to take action without suitable protective equipment. Wear suitable protective clothing, gloves and eye/face protection. For further information refer to section 8: "Exposure controls/personal protection".

Evacuate unnecessary personnel. Stop leak if safe to do so. Avoid release to the environment.

#### Emergency procedures:

### 6.2. Environmental precautions

### 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.

Take up liquid spill into absorbent material.

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. Avoid contact with skin and eyes.

#### 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:

Provide local exhaust or general room ventilation.

#### Storage conditions:

Keep cool. Protect from sunlight.

#### Storage temperature:

≤ 40 °C

#### Storage area:

Store in a well-ventilated place. Store away from heat.

#### Special rules on packaging:

Keep only in original container. Store in a closed container.

#### Packaging materials:

Store always product in container of same material as original container.



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## 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

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	5 mg/m <sup>3</sup>
IOEL STEL	10 mg/m <sup>3</sup>
Ireland - Occupational Exposure Limits	
OEL TWA	5 ppm Form: inhalable fraction

### 8.2. Exposure controls

#### Appropriate engineering controls

Ensure good ventilation of the work station.

#### Personal protection equipment

Gloves. Safety glasses. Protective clothing.

#### 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:

Avoid prolonged and repeated contact with skin. If repeated skin contact or contamination of clothing is likely, protective clothing should be worn



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**Hand protection:**

Protective gloves

<b>Hand protection</b>					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR)	6 (> 480 minutes)	>0.35		EN ISO 374
	Polyvinylchloride (PVC)	2 (> 30 minutes)	0.4		EN ISO 374

**Respiratory protection****Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

**Environmental exposure controls****Environmental exposure controls:**

Avoid release to the environment.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.****9.1 Information on basic physical and chemical properties**

<b>Physical state:</b>	Liquid
<b>Colour:</b>	light brown.
<b>Odour:</b>	Not available
<b>Odour threshold:</b>	Not available
<b>Melting point:</b>	Not applicable
<b>Freezing point:</b>	Not available
<b>Boiling point:</b>	Not available
<b>Flammability:</b>	Non flammable.
<b>Lower explosion limit:</b>	Not available
<b>Upper explosion limit:</b>	Not available
<b>Flash point:</b>	> 201 °C (ASTM D92)
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>pH:</b>	Not available
<b>Viscosity, kinematic:</b>	588 – 700 mm <sup>2</sup> /s @ 40°C (ASTM D7042)
<b>Solubility:</b>	insoluble in water.
<b>Partition coefficient n-octanol/water (Log K<sub>ow</sub>):</b>	Not available
<b>Vapour pressure:</b>	Not available
<b>Vapour pressure at 50°C:</b>	Not available
<b>Density:</b>	881.3 kg/m <sup>3</sup> @ 15°C (ASTM D4052)
<b>Relative density:</b>	Not available
<b>Relative vapour density at 20°C:</b>	Not available
<b>Particle characteristics:</b>	Not applicable



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## 9.2 Other information

No additional information available

## SECTION 10: STABILITY AND REACTIVITY.

### 10.1. Reactivity

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

Stable under normal conditions.

### 10.2. Chemical stability

No dangerous reactions known under normal conditions of use.

### 10.3. Possibility of hazardous reactions

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

### 10.4. Conditions to avoid

Strong oxidizing agents.

### 10.5. Incompatible materials

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### 10.6. Hazardous decomposition products

## 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

#### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

LD50 oral (rat)	> 5000 mg/kg 401 Acute Oral Toxicity Test
LD50 dermal (rabbit)	> 5000 mg/kg 402 Acute Dermal Toxicity Test
LC50 inhalation (rat) (Dust/Mist - mg/l/4h)	> 5 mg/l/4h 403 Acute Inhalation Toxicity Test

**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

#### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
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**Aspiration hazard:** Not classified



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Viscosity, kinematic	588 – 700 mm <sup>2</sup> /s @ 40°C (ASTM D7042)
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## Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Viscosity, kinematic	20.8 mm <sup>2</sup> /s @ 40°C
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### 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

## Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

LC50 - Fish [1]	> 100 mg/l Pimephales promelas
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EC50 - Crustacea [1]	> 10000 mg/l Daphnia magna
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NOEC chronic fish	1000 mg/l Oncorhynchus mykiss (14d)
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NOEC chronic crustacea	10 mg/l Daphnia magna (21d)
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NOEC chronic algae	≥ 100 mg/l Pseudokirchneriella subcapitata
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### 12.2 77 Lubricants Oil Additive

#### Persistence and degradability

No data available.

## Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

#### Persistence and degradability

Not rapidly degradable

#### Biodegradation

< 31 % OECD TG 301 F (28d)

### 12.3. Bioaccumulative potential

## Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Partition coefficient n-octanol/water (Log Pow) 2 – 6



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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.

### 13.1. Waste treatment methods

#### Regional waste regulation:

#### Waste treatment methods:

Disposal must be done according to official regulations.

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

Disposal must be done according to official regulations.

#### Sewage disposal recommendations:

#### Product/Packaging

#### disposal recommendations:

Disposal must be done according to official regulations.

#### Additional information:

Do not re-use empty containers.

#### European List of Waste (LoW, EC 2000/532):

13 02 00 - waste engine, gear and lubricating oils

## SECTION 14: TRANSPORT INFORMATION.

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

### 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

#### 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 no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### 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

#### 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)



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## SECTION 16: OTHER INFORMATION.

### Indication of changes:

Revised safety data sheet in accordance with commission regulation (EU) No 453/2010.

Indication of changes		
Section	Changed item	Comments
	Revision date	Modified
	Supersedes	Modified
1.1	Name	Added
2.3	Other hazards not contributing to the classification	Removed
3	Composition/information on ingredients	Modified
4.1	First-aid measures for first aider	Added
4.1	First-aid measures general	Modified
4.3	Other medical advice or treatment	Added
5.2	Explosion hazard	Added
5.3	Firefighting instructions	Modified
6.1	Emergency procedures	Added
6.1	General measures	Modified
6.3	For containment	Modified
7.1	Additional hazards when processed	Added
7.1	Handling temperature	Removed
7.2	Packaging materials	Added
7.2	Storage conditions	Modified
9	Viscosity, kinematic	Modified
9	Flash point	Modified
9	Colour	Modified
9	Density	Modified
10.5	Incompatible materials	Added
13.1	Waste disposal recommendations	Added
13.1	Sewage disposal recommendations	Added
13.1	European List of Waste (LoW, EC 2000/532)	Added
13.1	Regional waste regulation	Added
13.1	Additional information	Added



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## Abbreviations and acronyms:

CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
WGK	Water Hazard Class
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)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
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
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

## Full text of H- and EUH-statements:

EUH210 Safety data sheet available on request.