



XPS DYE OIL

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Date of issue: 20-12-2019 Revision date: 20-12-2019 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : XPS DYE OIL
Product code : 25471

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

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Petromark Automotive Chemicals BV
Rooswijkweg 316
1951 ME Velsen-Noord
T +31 251 211397 - F +31 251 212390
info@petromark.eu

1.4. Emergency telephone number

Emergency number : +31 251 211397

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

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Priolube 3905		25 - 50	Not classified
Castoroil	(CAS-No.) 8001-79-4 (EC-No.) 232-293-8	10 - 25	Not classified
Phenol,(dimethylamino)methyl-,polyisobutylene derivs	(EC-No.) 939-027-0	2,5 - 10	Aquatic Chronic 3, H412
Isooctadecanoic acid, reaction products with tetraethylenepentamine	(CAS-No.) 68784-17-8 (EC-No.) 272-225-4 (REACH-no) 01-2119960832-33	1 - 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Bis(nonylphenyl)amine	(CAS-No.) 36878-20-3 (EC-No.) 253-249-4 (REACH-no) 01-2119488911-28	0,1 - 2,5	Aquatic Chronic 4, H413 (M=0)
Hydrocarbons, C10, aromatics, > 1% naphthalene	(EC-No.) 942-075-0 (EC Index-No.) 01-2119463588-24 (REACH-no) 01-2119463588-24	0,1 - 1	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

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Phenol, dodecyl-, branched (Impurity) (Impurity)	(CAS-No.) 121158-58-5 (EC-No.) 310-154-3 (EC Index-No.) 604-092-00-9 (REACH-no) 01-2119513207-49	0,1 - 0,5	Repr. 1B, H360F Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
Solvent naphtha (petroleum), heavy arom.	(CAS-No.) 64742-94-5 (EC-No.) 265-198-5 (EC Index-No.) 649-424-00-3 (REACH-no) 01-2119510128-50	0,1 - 0,5	Asp. Tox. 1, H304
4-nonylphenol, branched substance listed as REACH Candidate (4- Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof])	(CAS-No.) 84852-15-3 (EC-No.) 284-325-5 (EC Index-No.) 601-053-00-8 (REACH-no) 01-2119510715-45	< 0,01	Repr. 2, H361fd Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

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.

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

No additional information available

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 : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. 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

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

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

Storage conditions : Store in a well-ventilated place. Keep cool.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Bis(nonylphenyl)amine (36878-20-3)

USA - ACGIH - Occupational Exposure Limits

ACGIH TWA (mg/m ³)	5 mg/m ³
ACGIH STEL (mg/m ³)	10 fibers/cm ³
ACGIH STEL (ppm)	0 ppm

Solvent naphtha (petroleum), heavy arom. (64742-94-5)

Czech Republic - Occupational Exposure Limits

Expoziční limity (PEL) (mg/m ³)	1000 mg/m ³
Expoziční limity (NPK-P) (mg/m ³)	200 mg/m ³ 8 Hrs

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow.
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: -24 °C
Boiling point	: No data available
Flash point	: > 200 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 938,8 kg/m ³ @15°C
Solubility	: insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: 189 mm ² /s @40°C
Viscosity, dynamic	: No data available

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Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

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.

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 toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Priolube 3905

LD50 oral (rat)	> 2000 mg/kg Estimated
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Castoroil (8001-79-4)

LD50 oral (rat)	> 5000 mg/kg
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Bis(nonylphenyl)amine (36878-20-3)

LD50 oral (rat)	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal (rat)	> 2000 mg/kg bodyweight

Phenol, dodecyl-, branched (Impurity) (121158-58-5)

LD50 oral (rat)	2100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1620 - 2730
LD50 dermal (rabbit)	≈ 15000 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Solvent naphtha (petroleum), heavy arom. (64742-94-5)

LD50 oral (rat)	> 2500 mg/kg
LD50 dermal (rabbit)	> 2000 mg/kg

4-nonylphenol, branched (84852-15-3)

LD50 dermal (rabbit)	> 2000 mg/kg
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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

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STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

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Viscosity, kinematic	189 mm ² /s @40°C
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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

Priolube 3905

EC50 Daphnia 1	> 100 mg/l Daphnia magna
ErC50 (algae)	10000 mg/l
ErC50 (other aquatic plants)	100 mg/l 48 Hrs, OECD 202
NOEC chronic fish	16,7 mg/l 28 Days

Castoroil (8001-79-4)

LC50 fish 1	100 mg/l
EC50 Daphnia 1	100 mg/l

Phenol,(dimethylamino)methyl-,polyisobutylene derivs

LC50 fish 1	31 mg/l Pimephales promelas
EC50 Daphnia 1	100 mg/l
EC50 96h algae (1)	> 450 mg/l

Isooctadecanoic acid, reaction products with tetraethylenepentamine (68784-17-8)

LC50 fish 1	1000 mg/l Pimephales promelas
EC50 Daphnia 1	1000 mg/l
EC50 96h algae (1)	> 94 mg/l
NOEC chronic crustacea	> 32 mg/l 21 DY
NOEC chronic algae	23 mg/l 4 DY

Hydrocarbons, C10, aromatics, > 1% naphthalene

LC50 fish 1	2 mg/l rainbow trout
EC50 Daphnia 1	3 mg/l
EC50 96h algae (1)	1,1 mg/l

Bis(nonylphenyl)amine (36878-20-3)

LC50 fish 1	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 Daphnia 1	> 100 mg/l Test organisms (species): Daphnia magna
EC50 72h algae (1)	600 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h algae (2)	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h algae (1)	870 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

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NOEC chronic algae	> 10 mg/l <i>Desmodesmus subspicatus</i>
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Phenol, dodecyl-, branched (Impurity) (121158-58-5)	
LC50 fish 1	40 mg/l
EC50 Daphnia 1	0,037 mg/l Test organisms (species): <i>Daphnia magna</i>
EC50 72h algae (1)	0,15 mg/l Test organisms (species): <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i>)
EC50 72h algae (2)	0,36 mg/l Test organisms (species): <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i>)
LOEC (chronic)	0,012 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'
NOEC (chronic)	0,0037 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'
NOEC chronic crustacea	3,7 µg/L
NOEC chronic algae	360 µg/L

4-nonylphenol, branched (84852-15-3)	
LC50 fish 1	0,05 mg/l <i>Acipenser oxyrinchus</i>
LC50 fish 2	0,135 mg/l <i>Pimephales promelas</i>
EC50 Daphnia 1	0,14 mg/l
EC50 72h algae (2)	0,41 mg/l
NOEC chronic fish	0,006 mg/l <i>Oncorhynchus mykiss</i>

12.2. Persistence and degradability

Priolube 3905	
Biodegradation	13,6 % OECD 301B

Phenol,(dimethylamino)methyl-,polyisobutylene derivs	
Biodegradation	20,7 % 28 Days

Isooctadecanoic acid, reaction products with tetraethylenepentamine (68784-17-8)	
Biodegradation	4,5 %

Bis(nonylphenyl)amine (36878-20-3)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	7,8 % (28 DY, OECD TG 301 B)

Phenol, dodecyl-, branched (Impurity) (121158-58-5)	
Biodegradation	42,1 % 28S, OECD TG 301 B

12.3. Bioaccumulative potential

Priolube 3905	
Log Pow	> 3 Calculated

Isooctadecanoic acid, reaction products with tetraethylenepentamine (68784-17-8)	
Log Kow	45,8

Bis(nonylphenyl)amine (36878-20-3)	
Bioconcentration factor (BCF REACH)	1730
Log Pow	3,64 - 7,02
Bioaccumulative potential	Bioaccumulative potential.

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Phenol, dodecyl-, branched (Impurity) (121158-58-5)	
Bioconcentration factor (BCF REACH)	794,33
Log Kow	7,14

4-nonylphenol, branched (84852-15-3)	
Bioconcentration factor (BCF REACH)	271,02
Log Kow	5,4 23°C

12.4. Mobility in soil

Bis(nonylphenyl)amine (36878-20-3)	
Ecology - soil	Adsorbs into the soil.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

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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. 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 $\geq 0,1\%$ / SCL

Contains no REACH Annex XIV substances

Contains no substance 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.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

Germany

Reference to AwSV

: Water hazard class (WGK) 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

Ministry's list of carcinogens

: Castoroil, Isooctadecanoic acid, reaction products with tetraethylenepentamine, Phenol, dodecyl-, branched (Impurity), Solvent naphtha (petroleum), heavy arom., 4-nonylphenol, branched are listed

Ministry's list of mutagens

: Castoroil, Isooctadecanoic acid, reaction products with tetraethylenepentamine, Phenol, dodecyl-, branched (Impurity), Solvent naphtha (petroleum), heavy arom., 4-nonylphenol, branched are listed

NON-exhaustive list of reproductive toxins - Breastfeeding

: None of the components are listed

NON-exhaustive list of reproductive toxins - Fertility

: 4-nonylphenol, branched is listed

NON-exhaustive list of reproductive toxins - Evolution

: Phenol, dodecyl-, branched (Impurity), 4-nonylphenol, branched are listed

Denmark

Danish National Regulations

: The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3

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Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 1B	Reproductive toxicity, Category 1B
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H360F	May damage fertility.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH210	Safety data sheet available on request.

SDS EU (REACH Annex II)

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