

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 28-8-2012 Revision date: 14-8-2019 Supersedes: 26-4-2019 Version: 2.2

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

1.1. Product identifier

Product form	
Product name	
Product code	
Type of product	

: Mixture : 42240 - MOTOR OIL VX 530 : 42240 : Lubricant

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

77 Lubricants 1761 JA - The Netherlands T +31 (0)78 6527652 technical@77lubricants.nl - www.77lubricants.nl

1.4. Emergency telephone number

Emergency number

: +31 (0)78 6527652 Monday to Friday: 09:00 - 16:00 (CET)

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 Other hazards not contributing to the classification : Flammable liquids. Prolonged or repeated skin contact with the material will remove natural oils which leads to a dermatitis. Spills of this product present a serious slipping hazard.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] 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	50 – 75	Not classified
1-Dodecene, trimer, hydrogenated	(CAS-No.) 68037-01-4 (EC-No.) 500-183-1 (REACH-no) 01-2119486452-34	10 – 25	Asp. Tox. 1, H304
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based substance with a Community workplace exposure limit (Note L)	(CAS-No.) 72623-87-1 (EC-No.) 276-738-4 (EC Index-No.) 649-483-00-5 (REACH-no) 01-2119474889-13	2,5 – 10	Not classified
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)

Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO 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. This note applies only to certain complex oil-derived substances in Part 3. 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 First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	 Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Rinse eyes with water as a precaution. Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effect	cts, both acute and delayed
Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	 After adequate first aid, no further treatment is required unless symptoms reappear. After adequate first aid, no further treatment is required unless symptoms reappear. After adequate first aid, no further treatment is required unless symptoms reappear. After adequate first aid, no further treatment is required unless symptoms reappear. After adequate first aid, no further treatment is required unless symptoms reappear.

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 substa	ance or mixture
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

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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 mea	asures
6.1. Personal precautions, protective e	quipment and emergency procedures
6.1.1. For non-emergency personnel	
Protective equipment Emergency procedures	Eliminate all ignition sources if safe to do so.Ventilate spillage area.
6.1.2. For emergency responders	
Protective equipment	: 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".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for containm	ent and cleaning up
For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up Other information	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.

7.1. Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipme Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after the product. 7.2. Conditions for safe storage, including any incompatibilities : Storage conditions : Storage temperature : Store in a well-ventilated place. Keep cool. : 50 °C : Other source for such a storage temperature		SECTION 7: Handling and storage
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after h product. 7.2. Conditions for safe storage, including any incompatibilities Storage conditions : Store in a well-ventilated place. Keep cool. Storage temperature : 50 °C		7.1. Precautions for safe handling
Storage conditions : Store in a well-ventilated place. Keep cool. Storage temperature : 50 °C		5
Storage temperature : 50 °C		7.2. Conditions for safe storage, including
Storage area: Store away from heat. Store in a well-ventilated place.Special rules on packaging: Store in a closed container. Keep only in original container.	lated place.	Storage temperature Storage area

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

EU - Occupational Exposure Limits

IOELV TWA (mg/m³)

5 mg/m³

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Belgium - Occupational Exposure Limits		
Limit value (mg/m³)	5 mg/m³	
Bulgaria - Occupational Exposure Limits		
OEL TWA (mg/m³)	5 mg/m³	
Croatia - Occupational Exposure Limits		
GVI (granična vrijednost izloženosti) (mg/m³)	5 mg/m³	
Czech Republic - Occupational Exposure Limits		
Expoziční limity (PEL) (mg/m³)	5 mg/m³	
Expoziční limity (NPK-P) (mg/m³)	10 mg/m ³	
Denmark - Occupational Exposure Limits		
Grænsevædi (8 timer) (mg/m³)	1	
Netherlands - Occupational Exposure Limits		
Grenswaarde TGG 8H (mg/m ³)	5 mg/m³	
USA - ACGIH - Occupational Exposure Limits		
ACGIH TWA (mg/m³)	5 mg/m³	
ACGIH STEL (mg/m³)	10 mg/m³	

Bis(nonylphenyl)amine (36878-20-3)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (mg/m³)	5 mg/m³
ACGIH STEL (mg/m³)	10 fibers/cm ³
ACGIH STEL (ppm)	0 ppm

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)			
EU - Occupational Exposure Limits			
5 mg/m³			
IOELV STEL (mg/m ³) 10 mg/m ³			

8.2. Exposure controls

Appropriate engineering controls:

Use adequate ventilation to keep oil mist below applicable standard. Use splash goggles when eye contact due to splashing is possible. Ocular shower with suitable liquid.

Personal protective equipment:

Gloves. Safety glasses. Protective clothing. Avoid all unnecessary exposure.

Materials for protective clothing:	
Wear suitable protective clothing	

Hand protection:

Breakthrough time : refer to the recommendations of the supplier

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR), Neoprene rubber (HNBR)	5 (> 240 minutes)	0.7	3 (> 0.65)	EN ISO 374

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Polyvinylchloride (PVC)	2 (> 30 minutes)	0.4	3 (> 0.65)	EN ISO 374
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Eye protection:

Chemical goggles or safety glasses. Use splash goggles when eye contact due to splashing is possible. EN 166

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

Respiratory protection:

Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment. Particle filter. EN 143

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

9.1. Information on basic physical and ch	emical properties	
Physical state	: Liquid	
Colour	: light yellow.	
Odour	: No data available	
Odour threshold	: No data available	
рН	: No data available	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: Not applicable	
Freezing point	: -42 °C	
Boiling point	: No data available	
Flash point	: > 210 °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	: 853,4 kg/m³ @15°C	
Solubility	: insoluble in water.	
Partition coefficient n-octanol/water (Log Pow)	: No data available	
Viscosity, kinematic	: 76 mm²/s @40°C	
Viscosity, dynamic	: No data available	
Explosive properties	: No data available	
Oxidising properties	: No data available	
Explosive limits	: No data available	

No additional information available

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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 in	nformation	
11.1. Information on toxicologic	al effects	
Acute toxicity (oral) Acute toxicity (dermal)	: Not classified : Not classified	
Acute toxicity (inhalation)	: Not classified	

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

LD50 oral (rat)	> 5000 mg/kg bodyweight
LD50 dermal (rabbit)	> 5000 mg/kg
LC50 inhalation (rat) (Dust/Mist - mg/l/4h)	> 5,53 mg/l/4h

Bis(nonylphenyl)amine (36878-20-3)	
LD50 oral (rat)	> 5000 mg/kg bodyweight
LD50 dermal (rat)	> 2000 mg/kg bodyweight

1-Dodecene, trimer, hydrogenated (68037-01-4)	
LD50 oral (rat)	> 5000 mg/kg
LD50 dermal (rabbit)	> 2000 mg/kg
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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LOAEL (oral, rat, 90 days)

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STOT-repeated exposure : Not classified Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

125 mg/kg bodyweight

Aspiration hazard	Not classified
42240 - MOTOR OIL VX 530	
Viscosity, kinematic	76 mm²/s @40°C

12.1. Toxicity	
6, 6	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

(19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)	
LC50 fish 1	> 100 mg/l Pimephales promelas
EC50 Daphnia 1	> 10000 mg/l Daphnia magna
NOEC chronic fish	10 mg/l Oncorhynchus mykiss
NOEC chronic crustacea	10 mg/l Daphnia magna
NOEC chronic algae	> 100 mg/l Pseudokirchneriella subcapitata

Bis(nonylphenyl)amine (36878-20-3)	
LC50 fish 1	> 100 mg/l Danio rerio
EC50 Daphnia 1	> 100 mg/l
EC50 72h algae (1)	100 mg/l Desmodesmus subspicatus

1-Dodecene, trimer, hydrogenated (68037-01-4)	
LC50 fish 1	750 mg/l
EC50 Daphnia 1	1000 mg/l
EC50 96h algae (1)	96 mg/l
NOEC chronic algae	> ng/l

12.2. Persistence and degradability

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

Persistence and degradability

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Biodegradation	31 % 28 d OECD 301F
Bis(nonylphenyl)amine (36878-20-3)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	1 % 28d
1 Dedeepent trimer, hydrogenetod (69027.01.4	n la
1-Dodecene, trimer, hydrogenated (68037-01-4 Persistence and degradability	Not biodegradable.
	Not blouegradable.
12.3. Bioaccumulative potential	
obtained by treating a petroleum fraction with carbon numbers predominantly in the range o	raffinic; Baseoil— unspecified; [A complex combination of hydrocarbons hydrogen in the presence of a catalyst. It consists of hydrocarbons having f C20 through C50 and produces a finished oil of at least 100 SUS at 100°F roportion of saturated hydrocarbons.] (64742-54-7)
Partition coefficient n-octanol/water (Log Kow)	> 4
Bis(nonylphenyl)amine (36878-20-3)	4700
Bioconcentration factor (BCF REACH)	1730
Partition coefficient n-octanol/water (Log Pow)	3,64 - 7,02
Bioaccumulative potential	Bioaccumulative potential.
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
	Not applicable Not applicable

Proper Shipping Name (ADR)

: Not applicable

UN-No. (ADN)

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Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID)	 Not applicable Not applicable Not applicable Not applicable 	
14.3. Transport hazard class(es)		
ADR Transport hazard class(es) (ADR) IMDG Transport hazard class(es) (IMDG) IATA Transport hazard class(es) (IATA) ADN Transport hazard class(es) (ADN) RID	 Not applicable Not applicable Not applicable Not applicable 	
Transport hazard class(es) (RID)	: Not applicable	
14.4. Packing group		
Packing group (ADR) Packing group (IMDG) Packing group (IATA) Packing group (ADN) Packing group (RID)	 Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable 	
14.5. Environmental hazards		
Dangerous for the environment Marine pollutant Other information	 No No supplementary information available 	
14.6. Special precautions for user		
Overland transport No data available Transport by sea No data available Air transport No data available Inland waterway transport No data available Rail transport No data available		
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

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

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15.1.2. National regulations

Germany	
Water hazard class (WGK)	: WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)
Netherlands	
Ministry's list of carcinogens	: Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] is listed
Ministry's list of mutagens	: Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] is listed
NON-exhaustive list of reproductive toxins - Breastfeeding	: None of the components are listed
NON-exhaustive list of reproductive toxins - Fertility	: None of the components are listed
NON-exhaustive list of reproductive toxins - Evolution	: None of the components are listed
Denmark	
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:			
Section	Changed item	Change	Comments
3	Composition/information on ingredients	Modified	

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	
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	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	

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NOAFO	No Observed Adverse Effect Concentration
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
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
PNEC	Predicted No-Effect Concentration
РВТ	Persistent Bioaccumulative Toxic
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative

Full text of H- and EUH-statements:		
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4	
Asp. Tox. 1	Aspiration hazard, Category 1	
H304	May be fatal if swallowed and enters airways.	
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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