



SPECTRO® Heavy Duty Platinum STL SAE 75w140

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Date of issue: 9/13/2018 Revision date: 12/13/2018 Supersedes: 9/13/2018 Version: 2.0

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

1.1. Product identifier

Product form : Mixture
Product name : SPECTRO® Heavy Duty Platinum STL SAE 75w140
Product code : HDPSTL
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Gear Oil

Title	Life cycle stage	Use descriptors
SPECTRO® Heavy Duty Platinum STL SAE 75w140	Professional	PC24, ERC9a, ERC9b

Full text of use descriptors: see section 16

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Zodiac International B.V.
Industrieweg 44
3641 RM Mijdrecht - The Netherlands
T +31 (0)297 288621 - F +31 (0)297 288226
sales@zodiac.nl - www.zodiac.nl

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
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)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

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	% w/w (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	(CAS-No.) 68037-01-4 (EC-No.) 500-183-1 (REACH-no) 01-2119486452-34	10 - 20	Asp. Tox. 1, H304
Reaction products of 1-decene, 1-dodecene and 1-octene, hydrogenated	(CAS-No.) 163149-28-8 (REACH-no) 01-2119543695-30	10 - 20	Asp. Tox. 1, H304

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1-Dodecene, polymer with 1-octene, hydrogenated	(CAS-No.) 163149-29-9 (EC-No.) 605-316-8	10 - 20	Aquatic Chronic 4, H413
Reaction products of 1-decene and 1-dodecene, hydrogenated	(CAS-No.) 151006-60-9 (EC-No.) 604-767-8 (REACH-no) 01-2119523580-47	10 - 20	Asp. Tox. 1, H304
Bis(nonylphenyl)amine	(CAS-No.) 36878-20-3 (EC-No.) 253-249-4 (REACH-no) 01-2119488911-28	1 - 5	Aquatic Chronic 4, H413

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In case of doubt or persistent symptoms, consult always a physician.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after skin contact	: Wash skin with mild soap and water. Remove and wash contaminated clothing before re-use. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: 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. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER/doctor.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical, CO ₂ , or water spray or regular foam. Making extinguishing agents environment-friendly.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Reactivity in case of fire	: Combustion produces irritating gases.
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5.3. Advice for firefighters

Protection during firefighting	: 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	: Wear personal protective equipment.
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6.1.1. For non-emergency personnel

Emergency procedures	: Avoid contact with skin and eyes. Evacuate unnecessary personnel.
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6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).
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6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with skin and eyes. Wear personal protective equipment. Remove immediately contaminated clothing. Wash contaminated clothing immediately. Ensure good ventilation of the work station.
Hygiene measures	: Always wash hands after handling the product. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep only in the original container in a cool, well-ventilated place.
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7.3. Specific end use(s)

No supplementary information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	5 mg/kg bodyweight/day
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DNEL/DMEL (General population)

Long-term - systemic effects, oral	250 µg/kg dw
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Long-term - systemic effects, dermal	2.5 mg/kg bodyweight/day
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PNEC (Water)

PNEC aqua (freshwater)	100 µg/l
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PNEC aqua (marine water)	10 µg/l
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PNEC aqua (intermittent, freshwater)	1 mg/l
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PNEC (Sediment)

PNEC sediment (freshwater)	132000 mg/kg bw
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PNEC sediment (marine water)	13200 mg/kg bw
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PNEC (Soil)

PNEC soil	263 g/kg
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PNEC (STP)

PNEC sewage treatment plant	1 mg/l
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8.2. Exposure controls

Appropriate engineering controls:

Provide adequate ventilation.

Hand protection:

Recommendation: Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): e.g. nitrile rubber (≥ 0.4 mm), butyl rubber (≥ 0.7 mm) and others. 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. Gloves must be replaced after each use and whenever signs of wear or perforation appear

Eye protection:

Recommendation: Wear eye glasses with side protection according to EN 166.

Skin and body protection:

Recommendation: Wear suitable protective clothing. Chemical resistant apron. Boots. Standard. EN 13034

Respiratory protection:

No respiratory protection needed under normal use conditions

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

Other information:

If on skin, take off contaminated clothing. Keep away from food, drink and animal feedingstuffs. Avoid contact with skin and eyes. Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

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Colour	: Green.
Odour	: weak. petroleum-like odour.
Odour threshold	: Not established
pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -40 °C
Freezing point	: No data available
Boiling point	: Not available
Flash point	: 208 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: Not available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.87
Solubility	: insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: 182 mm ² /s @ 40°C
Viscosity, dynamic	: No data available
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 in use and storage conditions as recommended in item 7.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

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

Reaction products of 1-decene, 1-dodecene and 1-octene, hydrogenated (163149-28-8)

LD50 oral rat	2000 - 5000 mg/kg
LD50 dermal rat	2000 mg/kg
LC50 inhalation rat (mg/l)	900 - 5200 mg/m ³

Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated (68037-01-4)

LD50 oral rat	2000 - 5000 mg/kg
LD50 dermal rat	2000 mg/kg
LC50 inhalation rat (mg/l)	900 - 5200 mg/m ³ Toxicity Category II

Reaction products of 1-decene and 1-dodecene, hydrogenated (151006-60-9)

LD50 oral rat	2000 - 5000 mg/kg
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LD50 dermal rat	2000 mg/kg
LC50 inhalation rat (mg/l)	900 - 5200 mg/m ³ (4 Hours)

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

LD50 oral rat	5000 mg/kg
LD50 dermal rat	2000 mg/kg
Skin corrosion/irritation	: Not classified pH: Not applicable
Serious eye damage/irritation	: Not classified pH: Not applicable
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
Aspiration hazard	: Not classified

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Viscosity, kinematic	182 mm ² /s @ 40°C
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SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

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

LC50 fishes	100 mg/l
EC50 Daphnia	100 mg/l
EC50 72h algae (1)	100 - 600 mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

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

Log Pow	7.58 - 11.87 @ 25 °C
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component

Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated (68037-01-4)	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
Reaction products of 1-decene, 1-dodecene and 1-octene, hydrogenated (163149-28-8)	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
Bis(nonylphenyl)amine (36878-20-3)	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

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.
European List of Waste (LoW) code	: 13 02 00 - waste engine, gear and lubricating oils

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SECTION 14: Transport information

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

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

No supplementary information available

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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated - Reaction products of 1-decene, 1-dodecene and 1-octene, hydrogenated - Reaction products of 1-decene and 1-dodecene, hydrogenated
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	1-Dodecene, polymer with 1-octene, hydrogenated - Bis(nonylphenyl)amine

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Indication of changes:

Revision :

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Section	Changed item	Change	Comments
	Indication of changes	Added	
	Supersedes	Added	
	Revision date	Added	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Removed	
2.2	EUH-statements	Added	
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
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DNEL	Derived-No Effect Level
EC50	Median effective concentration
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
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	Sewage treatment plant
vPvB	Very Persistent and Very Bioaccumulative

Data sources : ECHA (European Chemicals Agency). Manufacturer/Supplier.

Other information : **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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.

Full text of use descriptors

ERC9a	Widespread use of functional fluid (indoor)
ERC9b	Widespread use of functional fluid (outdoor)
PC24	Lubricants, greases, release products

SDS EU (REACH Annex II)

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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