

MATERIAL SAFETY DATA SHEET

In accordance with Regulation (EU) No 1907/2006 Appendix II and No 453/2010

Platinum Ultor Futuro 15W-40

Made on: 23.05.2011

Updated on: -

Version: 1.0CLP

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

1.1. Product identifier

Trade name: **Platinum Ultor Futuro 15W-40**

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

Intended to use for lubrication of Diesel engines.

1.3. Details of the supplier of the safety data sheet

Manufacturer: **ORLEN OIL SP. Z O.O.**

Address: 31-323 Kraków, ul. Opolska 100

Phone/Fax +48 12 66 555 00 / +48 12 66 555 01

No.: Quality-related information: phone + 48 32 618 05 27

E-mail: msds@orlenoil.pl

1.4. Emergency telephone number:

+ 48 13 43 84 415 (in working days from 7.00 a.m to 3.00 p.m.)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification	According to EC Directive No.1272/2008 (CLP):	According to Council Directive No.67/548/EEC:
Risks		
resulting from physicochemical properties:	Not classified	Not classified
for humans:	Eye Irrit. 2, H319; Skin Sens. 1, H317	Xi, R43
For the environment:	Not classified	Not classified

2.2. Label elements

According to Directive 1999/45/EC



Pictogram:

Signal word: Caution

Hazard statements:

Irritant to eyes. May cause allergic skin reaction.

Precautionary statements:

Use protective gloves/ protective clothes/ eye protection/ face protection. IN CASE OF EYE CONTACT: Carefully flush with water for several minutes. Remove contact lenses (if worn). IN CASE OF SKIN CONTACT: Wash with plenty of soapy water. In case skin irritation or rash occurs: Consult a doctor/ ensure medical assistance.

Other label information:

It contains: Polyolefin polyamine succinimide, calcium long chain alkaryl sulphonate

2.3. Other hazards

According to Annex XIII, the product does not meet PBT or vPvB criteria. Flammable product, of high ignition temperature

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SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance name	CAS No / EC No	% wt.	Classification according to 67/548/EC	Classification according to 1272/2008 (CLP)
Polyolefin polyamine succinimide	-	≤ 1,6	Xi, R43 R53	Skin Sens. 1, H317; Aquatic Chronic 4, H413
Zinc alkyl dithiophosphate	272-028-3	≤ 1,2	Xi, R41 N, R51/53	Eye Dam. 1, H318; Aquatic Chronic 2, H411
Calcium long chain alkaryl sulphionate	300-298-5	≤ 0,4	Xi, R43 R53	Skin Sens. 1, H317; Aquatic Chronic 4, H413
Base oil unspecified	265-157-1	~ 87	Not classified. L and H note	Not classified. L and H note

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:

At ambient temperatures, the oil does not display harmful impact on the respiratory system thanks to the low content of non-volatile components. The risk of inhalation exists only in the case of the product forming a mist or being heated. Remove the victim (move/carry) from the exposure area to fresh air and keep warm and quiet. Place an unconscious person in the recovery position, loosen tight parts of clothes; control and maintain patency of the airways. Give oxygen in the case of breathing disorders; if not breathing, use artificial ventilation. In the case of loss of consciousness, respiratory disorders or persisting symptoms obtain medical aid immediately.

Skin contact:

Immediately remove contaminated/soaked clothes and shoes. Thoroughly wash contaminated skin with soapy water or mild detergent, and then rinse with water. Consult a doctor if irritation symptoms appear and persist.

NOTE: Take off contaminated/soaked clothes and remove it to a safe place, far from heat and ignition sources.

Eye contact:

Flush the contaminated eyes with running water, remove contact lenses (if worn) and continue flushing for approx. 15 minutes. When flushing, keep the eyelids wide open and move the eyeball. Consult a doctor if symptoms appear and persist.

Swallowing:

DO NOT INDUCE VOMITING – INCREASED ASPIRATION RISK. In the case when spontaneous vomiting occurs, keep the victim leaning forward, with her/his face directed to the ground. Obtain medical aid.

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

Not determined.

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

Do not induce vomiting and do not administer anything orally to an unconscious person. Show the material safety data sheet or the label/container to the medical staff. A person providing first aid in the area where vapour/fog concentration is unknown should be equipped with the appropriate respiratory protection.

Indications for a doctor: symptomatic treatment.

SECTION 5. PROCEEDING IN CASE OF FIRE

5.1. Extinguishing media

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Suitable extinguishing media: carbon dioxide, dry powder, foam; water spray.

Unsuitable extinguishing media: water jet.

5.2. Special hazards arising from the substance or mixture

Flammable liquid with high ignition temperature. In the fire environment smokes containing carbon oxides and other unidentified thermal decomposition products of higher hydrocarbons are formed. Avoid breathing products being released in the fire environment.

5.3. Advice for firefighters

Proceed in accordance with procedures applicable for extinguishing chemical fire. In the case of fire involving great amounts of the product, remove all bystanders not participating in action; call emergency brigades and the Fire Brigade.

Cool the containers exposed to fire or high temperature with water spray from a safe distance, if possible and remove them from the endangered area.

Prevent the wastewater after fire extinguishing from penetrating sewage and water tanks. Remove wastewater and residue after firefighting in accordance with valid regulations.

People participating in the fire-extinguishing action should be properly trained, equipped with a full protective clothing and a self-containing breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use individual protection measures – see section 8 of the Safety Data Sheet.

Limit the access of bystanders to the endangered area until proper cleaning operations are finished. In the case of great leakage isolate the endangered area. Ensure that breakdown and its results are eliminated by a properly trained staff only.

Avoid contact with the eyes, skin and clothes. NOTE: Spilled oils can make surfaces slippery.

6.2. Environmental precautions

If it is possible and safe, stop or limit product release. Limit spreading of the great leakages by embanking the area. Prevent the product from penetrating drains, waters or soil. Notify respective authorities (occupational safety and hygiene, emergency brigades, environmental brigades and organs of administration).

6.3. Methods and material for containment and cleaning up

Cover up small spillage with non-flammable, neutral absorbent material (sand, soil, diatomic earth, vermiculite) and collect in an appropriate, closed, labelled waste bin. Clean the contaminated area with water with detergent, and then rinse with water. Pump off large amounts of liquid. Dispose of according to the applicable regulations. If necessary, obtain help from specialist companies dealing with waste transport and utilisation in order to remove the product/absorbent material contaminated with the product.

6.4. Reference to other sections

See also sections 8 and 13 of the Safety Data Sheet.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Provide effective ventilation. Avoid contact with the eyes, skin and clothes. Keep unused containers tightly closed. Essential hygiene rules should be observed: do not eat, drink or smoke during work, wash hands with soapy water after work/after break in work. Do not use contaminated clothing; Immediately remove contaminated clothing and wash before reuse. NOTE: Take off contaminated/soaked clothes and remove it to a safe place, far from heat and ignition sources. Use individual protection measures in accordance with the information contained in section 8 of the Safety Data Sheet.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly sealed and properly labelled containers, in room temperature, protect against contact with water and moisture, keep away from fire sources. Keep away from strong oxidisers. Prevent the product from penetrating ground and water.

7.3. Specific end use(s)

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None.

SECTION 8. EXPOSURE CONTROL AND PERSONAL PROTECTION EQUIPMENT

8.1. Control parameters

Mineral oils (liquid phase of aerosol)* TLV-TWA: 5 mg/m³, TLV-STEL: 10 mg/m³, TLV-C: –

Directive of the Minister of Work and Social Policy dated November 29th, 2002 on the maximum occupational levels of factors hazardous to health at the workplace (Dz.U. No.217, item 1833; of 2005 Dz.U. No.212, item 1769, of 2007 Dz.U. No.161, item 1142; of 2009 Dz.U. No.105, item 873; of 2010 Dz.U. No.141, item 950)

Appropriate engineering controls:

General ventilation and/or local fume hood in order to maintain hazardous agent concentration in air below acceptable limits.

Eye or face protection:

Use tight safety eyeglasses (goggles). It is recommended to equip the workplace with a water shower to flush eyes.

Skin protection:

Oil resistant gloves. It is recommended to use protective clothes and oil-resistant, anti-slippery shoes.

Respiratory protection:

Not required under normal conditions of use. In the case of exceeding the acceptable limits or inadequate ventilation use masks with A type absorber.

Thermal hazards:

Not applicable

Environmental exposure controls:

Consider using precautionary measures in order to protect the area around storage tanks.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

- | | |
|--|---|
| a) Appearance | : Clear liquid, colour: amber to light brown brown |
| b) Odour | : faint, characteristic |
| c) Odour threshold | : No data available |
| d) pH | : Not applicable |
| e) Melting/solidification temperature | : ≤ - 30°C (pour point) |
| f) Initial boiling temperature and melting temperature range | : No data available |
| g) Ignition point | : >250°C |
| h) Evaporation rate | : No data |
| i) Flammability (solid, gas) | : Not applicable |
| j) Upper/lower flammability limit or upper/lower explosion limit | : Oil mist flammability at concentration approx. 45g/m ³ . |
| k) Vapour pressure | : No data |
| l) Vapour density | : No data |
| m) Relative density | : approx.0.885 g/cm ³ |
| n) Solubility | : Insoluble in water. Soluble in hydrocarbons |
| o) Distribution coefficient n-octanol/ water | : No data available |
| p) Self-ignition point | : No data available |
| q) Decomposition temperature | : No data available |
| r) Viscosity | : 14,9 mm ² /s at 100°C |
| s) Explosive properties | : None |
| t) Oxidizing properties | : None |

9.2. Other information

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None

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

The product is not reactive.

10.2. Chemical stability

The product is stable under normal ambient conditions, as well as under the expected temperature and under the expected pressure.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid:

High temperature, open flame and other ignition sources.

10.5. Incompatible materials

Strong oxidisers.

10.6. Hazardous decomposition products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: (data for base oils)

LD50: >5000 mg/kg (oral, rat)

LC50: >5.53 mg/l (inhalation, rat)

LD50: >5000 mg/kg (skin, rabbit)

Skin corrosion/irritation:

Prolonged contact with skin may cause skin irritation.

Serious eye damage/irritation:

Causes eyes irritation.

Respiratory or skin sensitisation:

May cause allergic reaction.

Germ cell mutagenicity:

Not applicable.

Carcinogenicity:

Not applicable.

Reproductive toxicity:

Not applicable.

STOT – single exposure:

Accidental ingestion may cause gastric disturbances (nausea, vomiting, stomach pain)

STOT – repeated exposure:

Repeated or prolonged exposure may cause drying, cracking or chronic inflammation of the skin. Respiratory tract irritation is possible when the product occurs in the state of oil mist or vapours in high temperatures (above 60°C)

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity:

No quantitative data available.

12.2. Persistence and degradability

Limited level of biodegradability.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

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The product may be hazardous to the environment in case of unsuitable use or in emergency situations – the product penetrates into the ground, causes contamination of ground waters.

12.5. Results of PBT and vPvB assessment

According to Annex XIII, the product does not meet PBT or vPvB criteria.

12.6. Other adverse effects

The product is insoluble in water, it spreads on the surface of water forming thin film.

SECTION 13. HANDLING OF WASTES

13.1. Waste treatment methods

Waste code: 13 02 05 - Mineral-based non-chlorinated engine, gear and lubricating oils.

NOTE: Since waste code is assigned based on the source of origin, the end user should define the obtained wastes and assign a proper code, taking into consideration specific conditions of use, in accordance with applicable regulations.

Soaked clothes, papers or other organic materials should be collected and utilised in an controlled way.

Do not dispose to sewer. Avoid contamination of surface and ground waters. Consider reuse. Waste product should be recovered or utilised at professional, approved furnaces or waste recycling/neutralization facilities, in accordance with applicable regulations.

Recovery / recycling / utilisation of package wastes should be performed according to the applicable regulations. NOTE: Only completely emptied and cleaned packages may be returned for recycling. Use services of authorised companies.

The Act of 27 April 2001 on wastes (Dz.U. no. 62, item 628 with amendments)

The Act of 11 May 2001 on packages and package wastes (Dz.U. No. 63, item 638 with amendments)

Regulation of the Minister of Environment of 27 September 2001, on wastes catalogue (Dz. U. No.112, item 1206 with amendments)

SECTION 14. TRANSPORT INFORMATION

The substance is not a subject to transport regulations on hazardous goods included in ADR (road transport), RID (rail transport), IMDG (marine transport) and ICAO/IATA (air transport).

14.1. UN number	Not applicable
14.2. UN Proper shipping name	Not applicable
14.3. Transport hazard class(es)	Not applicable
14.4. Packing group	Not applicable
14.5. Environmental hazards	Not applicable
14.6. Special precautions for users	Not applicable
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

SECTION 15. REGULATORY INFORMATION

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

The Act of 25 February 2011 on chemical substances and preparations (Dz.U. of 2011 No. 63, item 322)

Regulation (EC) No.1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency and amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (correction OJ L 136 of 29 May 2007 with amendments)

Regulation of the (UE) Commission no. 453/2010 of 20 May 2010 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council dated December 18, 2006 on registration, evaluation, granting of permissions and restrictions applied in scope of chemicals (REACH) (OJ L 133 of 31.05.2010)

Regulation (UE) of the European Parliament and Council no. 1272/2008 of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending the Regulation (EC) No. 1907/2006 (EU OJ L No.353 dated 31.12.2008 with amendments)

Regulation of the Minister of Health of 2 September 2003, on the criteria and classification chemical substances and preparations (Dz. U. of 2003 No.171, item 1666; of 2004 No.243, item 2440; of 2007 No.174, item 1222; of 2009 No.43, item 353)

Regulation of the Minister of Work and Social Policy of 20 April 2005 on testing and measurements of factors hazardous to health at the

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workplace (Dz.U. of 2005 No.73, item 645; of 2007 Dz.U. No.241, item 1772)

Regulation of the Minister of Economy of 21 December 2005, on the basic requirements for personal protection measures (Dz. U. of 2005 No.259, item 2173)

Regulation of the Council of Ministers of 24 August 2004 on the list of jobs prohibited for young workers and the circumstances in which they might be employed in some of these jobs (Dz.U. of 2004 No.200, item 2047; of 2005 No.136, item 1145; of 2006 No.107, item 724)

Regulation of the Council of Ministers of 10 September 1996 on the list of jobs that are prohibited for women (Dz.U. of 1996 No.114, item 545, of 2002 No.127, item 1092)

Regulation of the Minister of Health and Social Policy of 30 May 1996 on conducting the medical examinations of employees, range of medical prevention and medical decisions given on the purposes specified in the Labour Code (Dz. U. of 1996 No.69, item 332; of 1997 No. 60, item 375; of 1998 No.159, item 1057; of 2001 No.37, item 451; No.128, item 1405)

Regulation of the Minister of Labour and Social Policy of 26 September 1997 on general regulations for hygiene and safety at work (consolidated text Dz.U. of 2003 No.169, item 1650; of 2007 No.49, item 330; of 2008 No.108, item 690)

Regulation of the Minister of Health of 30 December 2004 on safety and hygiene of work related to chemical factors present at the workplace (Dz.U. of 2005 No.11, item 86; of 2008 No.203, item 1275)

The Act of 24 August 1991 on fire protection (consolidated text – appendix to Dz.U. of 2002 No.147, item 1229; of 2003 No.52, item 452; of 2004 No.96, item 959; of 2005 No.100, item 835 and 836; of 2006 No.191, item 1410; of 2007 No.89, item 590; of 2008 No.163, item 1015; of 2009 No.11, item 59)

Act of 31 March 2004, on railway transport of hazardous substances (Dz. U. of 2004 No.97, item 962; of 2005 No.141, item 1184; of 2006 No.249, item 1834; of 2007 No.176, item 1238)

Regulations for the International Rail Transport of Hazardous Goods RID (of 2009 Dz.U. No.167, item 1318)

15.2. Chemical safety assessment

The manufacturer hasn't prepared the chemical safety assessment yet.

SECTION 16. OTHER INFORMATION

Abbreviations and acronyms in the Safety Data Sheet

TLV-TWA	Threshold Limit Value
TLV-STEL	Threshold Limit Value, Short Term Exposure Limit
TLV-C	Ceiling exposure limit
vPvB	very Persistent, very Bioaccumulative (substance)
PBT	Persistent, bioaccumulative, and toxic (substance)
PNEC	Predicted No Effect Concentration
DN(M)EL	Derived No Effect Level
LD ₅₀	Dose that will kill 50% of the test animals
LC ₅₀	Concentration that will kill 50% of the test animals
EC _x	Concentration at which x% inhibition of growth or growth rate is observed
LOEC	Lowest Observed Effect Concentration
NOEL	No Observed Effect Concentration
RID	Regulations Concerning the International Carriage of Dangerous Goods by Rail
ADR	Agreement on Dangerous Goods by Road
IMDG	International Maritime Transport of Dangerous Goods
IATA	International Air Transport Association
UVCB	Unknown substances, of Variable Composition, or of Biological Origin

References:

- Legal regulations quoted in sections 2 – 15 of the Safety Data Sheet.
- Chemical safety assessment report for the mixture ingredients.

The list of applicable R-phrases, hazard statements, S-phrases or precautionary statements not specified in whole in sections 2-15 of the Safety Data Sheet.

List of H phrases:

- H318 - Causes serious eye damage.
- H315 – Causes skin irritation.
- H317 – May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- H411 – Toxic to aquatic life with long lasting effects.

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H413 - May cause long lasting harmful effects to aquatic life

CLP classification:

Aquatic Chronic 2- Hazardous to aquatic environment, cat. 2 (chronic)
Aquatic Chronic 4 - Hazardous to aquatic environment, cat. 4 (chronic)
Eye Dam. 1 – Serious eye damage/ irritant to eyes, cat. 1
Skin Irrit. 2 - Caustic/ irriatant to skin, cat. 2
Eye Irrit. 2 – Serious eye damage/ irritant to eyes, cat. 2
Skin Sens. 1 – Skin sensitising, cat. 1

List of H phrases:

R43 - May cause sensitisation by skin contact
R36 - Irritating to eyes
R38 - Irritating to skin
R41 – Risk of serious eye damage
R50 - Very toxic to aquatic organisms
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53 - May cause long-term adverse effects in the aquatic environment

DSD/ DPD classification:

Xi - irritant
N – hazardous to environment

Advice on training for employees:

Employees who use the product should be trained on risks for health, hygiene, use of individual protection, accident preventive actions, rescue actions, etc.,

This MSDS is not a quality certificate for the product. All data presented in this sheet are to be taken only as a help in safe handling in transport, distribution, use and storage. Persons handling the product should be informed about risks and precautionary measures. Information in the Safety Data Sheet relates to the above mentioned product and its specified uses only. They may be obsolete or insufficient for this product used in conjunction with other materials or in different applications than those specified in the Safety Data Sheet.

The user is obliged to follow all applicable standards and regulations and is also responsible for inappropriate use of information contained in this sheet or for an inappropriate use of the product. In the case of special applications evaluate exposure and develop the appropriate procedure and training programs in order to ensure safety at work.
