

**complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)**

Printing date 21.06.2017

Version number 2

Revision: 15.04.2016

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

1.1 Product identifier

Trade name: GRANIT VDS 15W-40

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

No further relevant information available.

Application of the substance / the mixture: Lubricant

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

LPC S.A.

Megaridos Avenue 124

Aspropyrgos - Attica , 193 00

Tel.: 210 - 809 3900

Fax: 210 - 809 3999

e-mail: technical@cyclon.gr

1.4 Emergency telephone number:



Emergency telephone number: 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:



GHS07

Signal word: Warning

(Contd. on page 2)

GB

**complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)**

Printing date 21.06.2017

Version number 2

Revision: 15.04.2016

Trade name: GRANIT VDS 15W-40

(Contd. of page 1)

Hazard-determining components of labelling:

2,5-Furandione, polymer with 1-hexadecene, 2-methyloxirane polymer with oxirane bis(2-aminopropyl)ether and 2-methyl-propene, 4-(phenylamino)phenylimide

Calcium long chain alkaryl sulfonate

Hazard statements:

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients**3.2 Chemical characterisation: Mixtures**

Description: Mixture: consisting of the following components.

Ingredients according Regulation (EU) 830/2015:

	Derivative of amines, polyethylene poly-compounds with (polybutenyl) succinic anhydride, borates Aquatic Chronic 4, H413	0.1-≤2.5%
CAS: 873694-48-5	2,5-Furandione, polymer with 1-hexadecene, 2-methyloxirane polymer with oxirane bis(2-aminopropyl) ether and 2-methyl-propene, 4-(phenylamino)phenylimide ⚠ Skin Sens. 1, H317; Aquatic Chronic 4, H413	1-≤2.5%
CAS: 68784-31-6 EINECS: 272-238-5 Reg.nr.: 01-2119657973-23-XXXX	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411	0.25-<2.5%
CAS: 147880-09-9 Polymer	Amines, polyethylenepoly-, reaction products with 1,3-dioxolan-2-one and succinic anhydride monopolyisobutenyl derivs Aquatic Chronic 4, H413	0.1-≤2.5%

(Contd. on page 3)

GB

**complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)**

Printing date 21.06.2017

Version number 2

Revision: 15.04.2016

Trade name: GRANIT VDS 15W-40

		(Contd. of page 2)
CAS: 722503-68-6 Polymer	Calcium long chain alkaryl sulfonate ⚠ Skin Sens. 1, H317; Aquatic Chronic 4, H413	0.1-<1%
CAS: 121158-58-5 EC number: 310-154-3 Index number: 604-092-00-9 Reg.nr.: 01-2119513207-49-XXXX	phenol, dodecyl-, branched ⚠ Repr. 1B, H360F; ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10)	0.025-<0.1%

Ingredients

CAS: 72623-87-1 EINECS: 276-738-4 Index number: 649-483-00-5	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	50-100%
CAS: 68784-26-9 EINECS: 272-234-3 Reg.nr.: 01-2119524004-56-XXXX	Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased Aquatic Chronic 4, H413	0.1-≤2.5%
CAS: 125643-61-0 ELINCS: 406-040-9 Index number: 607-530-00-7 Reg.nr.: 01-0000015551-76-XXXX	A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate Aquatic Chronic 4, H413	0.1-≤2.5%
CAS: 36878-20-3 EINECS: 253-249-4 Reg.nr.: 01-2119488911-28-XXXX	bis(nonylphenyl)amine Aquatic Chronic 4, H413	0.1-≤2.5%
CAS: 93028-29-6 EINECS: 296-721-5	Benzenesulfonic acid, C10-60-alkyl derivs., magnesium salts Aquatic Chronic 4, H413	0.1-≤2.5%

SECTION 4: First aid measures**4.1 Description of first aid measures**

General information: Immediately remove any clothing soiled by the product.

After inhalation: Seek medical treatment in case of complaints.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for at least 15 minutes under running water.

If symptoms persist, consult a doctor.

After swallowing:

Drink plenty of water and provide fresh air. Call for a doctor immediately.

Seek immediate medical advice.

Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed Not known or expected results.

4.3 Indication of any immediate medical attention and special treatment needed

No special measures are required.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fire with foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

(Contd. on page 4)

**complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)**

Printing date 21.06.2017

Version number 2

Revision: 15.04.2016

Trade name: GRANIT VDS 15W-40

(Contd. of page 3)

5.3 Advice for firefighters**Protective equipment:**

Mouth respiratory protective device.

Wear fully protective suit.

Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

Keep away from ignition sources.

Avoid contact with oxidising agents.

6.1.1 For non-emergency personnel Caution for slippery surfaces.**6.1.2 For emergency responders** Wear protective equipment. Keep unprotected persons away.**6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

Prevent from spreading (e.g. by damming-in or oil barriers).

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Avoid contact with skin, eyes and clothing.

Use adequate personal protective equipment as required. For more information regarding protective equipment see section 8.

Information about fire - and explosion protection:

Keep away from sources of ignition and flammable materials.

7.2 Conditions for safe storage, including any incompatibilities**Storage:** Store in cool, dry conditions in well sealed receptacles.**Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:**

Keep container tightly sealed.

Protect from heat and direct sunlight.

7.3 Specific end use(s) No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

(Contd. on page 5)

**complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)**

Printing date 21.06.2017

Version number 2

Revision: 15.04.2016

Trade name: GRANIT VDS 15W-40

(Contd. of page 4)

8.2 Exposure controls**8.2.1. Appropriate engineering controls**

During the use of this product no appropriate engineering controls are needed.

Personal protective equipment**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Respiratory protection: Not required.

Protection of hands:

Protective gloves

Penetration time of glove material

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

Eye protection:

Tightly sealed goggles

Body protection:

Protective work clothing

Oil resistant protective clothing

* **SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Liquid
Colour:	brown
Odour:	Oil
Odour threshold:	Not determined

pH value: Not determined

Melting point/freezing point: Not determined

Initial boiling point and boiling range: Not determined

Pour point -30 °C

Flash point: 230 °C

Flammability (solid, gas): Not applicable

(Contd. on page 6)

GB

**complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)**

Printing date 21.06.2017

Version number 2

Revision: 15.04.2016

Trade name: GRANIT VDS 15W-40

(Contd. of page 5)

Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined
Upper:	Not determined
Oxidising properties	Not considered as oxidising.
Vapour pressure:	Not determined
Density:	0.874 g/cm ³
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined
Solubility in / Miscibility with water:	Not miscible
aliphatic hydrocarbons:	Fully miscible.
aromatic hydrocarbons:	Fully miscible.
Partition coefficient: n-octanol/water:	Not determined
Viscosity:	
Dynamic:	Not determined
Kinematic at 40 °C:	110 cSt
Kinematic viscosity at 100 °C	15 cSt
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity Stable under normal conditions

10.2 Chemical stability Material is stable under normal conditions.

Thermal decomposition / conditions to be avoided Stable at environment temperature.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid

Oxidising agents

Avoid heat, sparkles, naked flame or other sources of ignition.

10.5 Incompatible materials No further relevant information available.

10.6 Hazardous decomposition products No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

Skin corrosion/irritation Based on available data, the classification criteria are not met.

(Contd. on page 7)

**complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)**

Printing date 21.06.2017

Version number 2

Revision: 15.04.2016

Trade name: GRANIT VDS 15W-40

(Contd. of page 6)

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects**

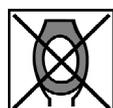
Uncontrolled release of the product to the environment must be prohibited.

The product floats on water and does not mix with it.

Spillage of the product may form a layer on the water surface which can damage aquatic organism due to lack of oxygenation.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Recommendation**

Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

In case of discarding waste oil, according European Directive 75/439/EEC, recycling of the product is recommended. Disposal of large amounts must be carried out from qualified, authorized body.

Uncleaned packaging:**Recommendation:**

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

GB

(Contd. on page 8)

**complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)**

Printing date 21.06.2017

Version number 2

Revision: 15.04.2016

Trade name: GRANIT VDS 15W-40

(Contd. of page 7)

SECTION 14: Transport information

14.1 UN-Number	
ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name	
ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es)	
ADR, ADN, IMDG, IATA	
Class	Void
14.4 Packing group	
ADR, IMDG, IATA	Void
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

REACH Regulation 1907/2006/EC
Regulation (EU) 2015/830
CLP Regulation 1272/2008/EC

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

National regulations: No further information available.

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

It doesn't contain substances of very high concern (SVHC).

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H360F May damage fertility.
- 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.
- H413 May cause long lasting harmful effects to aquatic life.

(Contd. on page 9)

GB

**complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)**

Printing date 21.06.2017

Version number 2

Revision: 15.04.2016

Trade name: GRANIT VDS 15W-40

(Contd. of page 8)

Training hints

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Repr. 1B: Reproductive toxicity – Category 1B

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

*** Data compared to the previous version altered.**

GB