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

Printing date 17.05.2016 Version number 1 Revision: 17.05.2016

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

1.1 Product identifier

Trade name: LEDA 320

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:
This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

2.2 Label elements
Labelling according to Regulation EC No 1272/2008 CLP: Void
Hazard pictograms: Void

Signal word: Void

Hazard statements: Void
Additional information:
EUH208 Contains Reaction mass of 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-methyl- and 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl- and N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine and 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl- and N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine. May produce an allergic reaction.
2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
Description: Mixture: consisting of the following components.

Ingredients according Regulation (EU) 830/2015: Void

Ingredients		
CAS: 64742-54-7 EINECS: 265-157-1 Index number: 649-467-00-8 Reg.nr.: 01-2119484627-25-XXXX	Distillates (petroleum), hydrotreated heavy paraffinic	50-100%
CAS: 368782-02-3 EINECS: 253-249-4 Reg.nr.: 01-2119488911-28-XXXX	bis(nonylphenyl)amine Aquatic Chronic 4, H413	0.1-≤2.5%
EC number: 939-700-4	Reaction mass of 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-methyl- and 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl- and N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine and 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl- and N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1B, H317	0.1-<1%
	Mineral oil Asp. Tox. 1, H304	0.1-≤2.5%
CAS: 68784-17-8 EINECS: 272-225-4 Reg.nr.: 01-2119960832-33-XXXX	Isooctadecanoic acid, reaction products with tetraethylenepentamine Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	<0.1%
CAS: 122-39-4 EINECS: 204-539-4 Index number: 612-026-00-5	diphenylamine Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT RE 2, H373; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	<0.1%

Additional information:
The classification as a carcinogen does not need to apply because the substance Distillates (petroleum), hydrotreated heavy paraffinic (cas number 64742-54-7) contains less than 3 % DMSO extract.
For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
General information: No special measures required.
After inhalation: Seek medical treatment in case of complaints.
After skin contact:
Wash the skin immediately with soap and water.
Remove contaminated clothing.
If skin irritation continues, consult a doctor.
After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Avoid strong water jet-risk of cornea damage, consult a doctor.

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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 dioxide (CO2)
Carbon monoxide (CO)
5.3 Advice for firefighters
Protective equipment: Use of protective clothes and respiratory device is being recommended in case of fire.
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:
6.1.1 For non-emergency personnel
Caution for slippery surfaces.
Keep away from ignition sources.
6.1.2 For emergency responders
Use antistatic and slip resistant boots.
Stop further leakage, if possible.
Use chemicals resistant gloves.
6.2 Environmental precautions: 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 Observe the general safety regulations when handling chemicals.
Information about fire - and explosion protection: Keep away from heat, sparks, open flames and hot surfaces.
7.2 Conditions for safe storage, including any incompatibilities
Storage:
Protect from heat and direct sunlight.
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: None.

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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.

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:
The usual precautionary measures are to be adhered to when handling chemicals.
Respiratory protection: Not required.
Protection of hands:


Protective gloves

Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
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: In processing and repackaging where is possible the eye-contact wear safety glasses.
Body protection: Not required under normal conditions of use.

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/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
Flash point:	274 °C
Flammability (solid, gaseous):	Not applicable
Auto-ignition temperature:	Not determined

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Decomposition temperature:	Not determined
Self-igniting:	Product is not selfigniting.
Danger of explosion:	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:	0,899 g/cm³
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:	320 cSt
Kinematic viscosity at 100 °C	23,1 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
No decomposition if used and stored according to specifications.
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.
Serious eye damage/irritation Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
Germ cell mutagenicity Based on available data, the classification criteria are not met.

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

Dispose according to National Regulations.

Uncleaned packaging:
Recommendation:
Disposal must be made according to official regulations.
Packaging may be reused or recycled after cleaning.

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

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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
Constituents of the mixture that fall within the scope of REACH Regulation 1907/2006/EC, have been (pre)-registered from their suppliers.

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

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.

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