

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

Printing date 09.12.2016

Version number 1

Revision: 09.12.2016

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

1.1 Product identifier

Trade name: COMET 46

CAS Number:

64742-52-5

EC number:

265-155-0

Index number:

649-465-00-7

Registration number: 01-2119467170-45-XXXX

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

Manufacture of substance- Industrial

Distribution of substance- Industrial

Formulation and (re)packing of substances and mixtures- Industrial

Uses in Coatings- Industrial

Uses in Coatings- Professional

Metal working fluids/rolling oils- Industrial Metal

working fluids/rolling oils- Professional

Use as binders and release agents- Industrial

Use as binders and release agents- Professional

Use in Agrochemicals uses- Professional

Road and construction applications- Professional

Rubber production and processing- Industrial

Polymer processing- Industrial

Polymer processing- Professional

Lubricants- Industrial

Lubricants- Professional

Water treatment chemicals- Industrial

Water treatment chemicals- Professional

Explosives manufacture and use- Professional

Application of the substance / the mixture: Mineral oil

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

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SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation EC No 1272/2008 CLP:**

The substance is not classified according to the CLP regulation.

2.2 Label elements**Labelling according to Regulation EC No 1272/2008 CLP:** Void**Hazard pictograms:** Void**Signal word:** Void**Hazard statements:** Void**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.1 Chemical characterisation: Substances****CAS No. Description**

64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic 100%

Identification number(s)**EC number:** 265-155-0**Index number:** 649-465-00-7**Additional information:**

Nota L applies to the base oil(s) in this product. Nota 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.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:** First aid responders must bear personal protective equipment.**After inhalation:**

If breathing is difficult, supply oxygen.

Move exposed person to fresh air.

Seek medical treatment in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Remove contaminated clothing.

In case of skin irritation, consult a physician.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Remove contact lenses if they are present.

Avoid strong water jet-risk of cornea damage, 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.

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4.2 Most important symptoms and effects, both acute and delayed

Eye contact may cause redness and transient pain.

Inhalation Irritation of the respiratory tract due to excess fume, mists or vapour exposure.

Skin contact No known significant effects or critical hazards.

Ingestion Ingestion (swallowing) of this material may result in an altered state of consciousness and loss of coordination.

4.3 Indication of any immediate medical attention and special treatment needed

Treat according to patient reactions.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fire with foam.**For safety reasons unsuitable extinguishing agents:** Water with full jet**5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

Sulphur Oxides (SO_x)Hydrogen sulfide (H₂S)**5.3 Advice for firefighters****Protective equipment:**

In case of a large fire or in confined or poorly ventilated spaces wear full fire resistant protective clothing and self contained breathing apparatus (SCBA) with a full space-piece operated in positive pressure mode.

Additional informationIncomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide, H₂S SO_x (sulfur oxides) or sulfuric acid and unidentified organic and inorganic compounds.

Evacuate area. Evacuate all personnel to a predetermined safe location.

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:**Respiratory protection: a half or full face respirator with filter(s) for organic vapours/H₂S, or a self contained Breathing Apparatus (SCBA) can be used according to the extent of spill and predictable amount of exposure. If the situation cannot be completely assessed, or if an oxygen deficiency is possible, only SCBA's should be used**6.1.1 For non-emergency personnel**

Do not inhale vapours.

Avoid contact with spilled material.

Keep away from ignition sources.

Ensure sufficient ventilation.

Stop leakage, if safe to do so.

6.1.2 For emergency responders

Wear protective equipment. Keep unprotected persons away.

Use antistatic and slip resistant boots.

Use chemicals resistant gloves.

Use safety goggles, in case of contact with the eyes.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

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

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6.3 Methods and material for containment and cleaning up:

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

Ensure adequate ventilation.

Remove from the water surface (e.g. skim or suck off).

Transfer collected product to suitable containers for recycle, recovery or safe disposal.

Large spillages may be cautiously covered with foam, if available, to limit vapour cloud formation.

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**

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

Ensure good ventilation/exhaustion at the workplace.

Use this product according good industrial practice of safety and health.

Do not eat, drink or smoke during the usage of the product.

Avoid contact with skin, eyes and clothing.

Avoid inhaling vapors.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities**Storage:**

Store in cool, dry conditions in well sealed receptacles.

Use only containers specifically permitted for this substance/product.

Requirements to be met by storerooms and receptacles:

Suitable material for receptacles and pipes: Soft steel.

Store in a cool location.

Information about storage in one common storage facility: Store away from oxidising agents.**Further information about storage conditions:**

Protect from heat and direct sunlight.

Keep container tightly sealed.

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:** Not required.**DNEL Workers Long term exposure local effects** Inhalation: 5,4 mg/m³**8.2 Exposure controls****8.2.1. Appropriate engineering controls** Use of local ventilation is advised.

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

Keep away from foodstuffs, beverages and feed.

Avoid contact with the skin.

Do not inhale gases / fumes / aerosols.

Do not eat, drink or smoke while using the product.

Respiratory protection: Not required.**Protection of hands:**

Protective gloves

Material of gloves Neoprene, PVC or nitril rubber.**Eye protection:** In processing and repackaging where is possible the eye-contact wear safety glasses.**Body protection:**

Oil resistant protective clothing



Boots

Environmental exposure controls: Legislation for the protection of the environment must be met in full.**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Liquid
Colour:	Yellow
Odour:	Light
Odour threshold:	Not determined

pH value: Not applicable**Melting point/Melting range:** Not determined**Boiling point/Boiling range:** Not determined**Flash point:** 180 °C**Flammability (solid, gaseous):** Not applicable**Auto-ignition temperature:** Not determined**Decomposition temperature:** Not determined**Self-igniting:** Not determined.**Danger of explosion:** Product does not present an explosion hazard.**Explosion limits:****Lower:** Not determined

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Upper:	Not determined
Oxidising properties	Not considered as oxidising.
Vapour pressure:	Not determined
Density:	0.901 g/cm ³
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not applicable
Solubility in / Miscibility with water:	Not miscible
Partition coefficient (n-octanol/water):	Not determined
Viscosity:	
Dynamic:	Not determined
Kinematic at 40 °C:	46 cSt
Kinematic viscosity at 100 °C	5.6 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

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

Oxidising agents

10.5 Incompatible materials Strong oxidising substances.

10.6 Hazardous decomposition products

Carbon monoxide

Sulphur oxides (SO_x)

Hydrogen Sulfide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

LD/LC50 values relevant for classification:

64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rbt)
Inhalative	LC50/4h (dusts and mists)	>5.53 mg/l (rat)

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.

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Respiratory or skin sensitisation Based on available data, the classification criteria are not met.**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:****64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic**

EC50-96h >100 mg/l (fis)

12.2 Persistence and degradability The product is not easily, but potentially biodegradable.**12.3 Bioaccumulative potential** Has the potential to bioaccumulate.**12.4 Mobility in soil** Insoluble in water.**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.

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:**

Do not cut, weld, bore, burn or incinerate emptied containers, unless they have been cleaned and declared safe. Disposal must be made according to official regulations.

SECTION 14: Transport information**14.1 UN-Number**

ADR, ADN, IMDG, IATA

Void

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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 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Directive 2012/18/EU**Named dangerous substances - ANNEX I** Substance is not listed.**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 28**National regulations:****Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57** The substance is not SVHC.**15.2 Chemical safety assessment:** The chemical safety report has 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.

Department issuing SDS:

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 REACH & Chemical Services Department
 144, 3rd Septemvriou, GR 112 51, Athens, Greece
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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)

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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

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

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