

**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
**EU 2020/878 and Regulation No 1272/2008/EC (CLP)**

Printing date 10.05.2024

Version number 3 (replaces version 2)

Revision: 10.05.2024

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** LAVA 2T SUPER MIX**Description / Product Code:** FORMULA ID: 88**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:**

Company responsible for the placing on the market:

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:**

European Emergency Tel.: 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:**

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**Precautionary statements**

P102 Keep out of reach of children.

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

The product does not contain ingredients that are considered either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**PBT:** Not applicable.**vPvB:** Not applicable.**Determination of endocrine-disrupting properties**

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

— EN —

(Contd. on page 2)

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(Contd. of page 1)


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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Description:** Mixture: consisting of the following components.

#### Ingredients according Regulation (EU) 2020/878:

CAS: 64742-55-8 EINECS: 265-158-7 Index number: 649-468-00-3 Reg.nr.: 01-2119487077-29-XXXX	Distillates (petroleum), hydrotreated light paraffinic  Asp. Tox. 1, H304	2.5-10%
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#### SVHC

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No 1907/2006 (REACH), Article 59)

#### Additional information:

The base oils of the product contain <3% DMSO extract (IP 346).

In accordance with Regulation (EC) No 1272/2008, Note L, reference IP 346/92: 'Dimethyl sulfoxide (DMSO) extraction method', it was determined that the base oils used in this preparation are not carcinogenic.

For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information:** Take affected persons out into the fresh air.

#### After inhalation:

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

#### After skin contact:

Immediately rinse with plenty of water.

In case of discomfort, consult a doctor.

#### After eye contact:

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

Remove contact lenses and continue rinsing for several minutes

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.

Consult the doctor immediately and show the label or this Safety Data Sheet.

Never give anything by mouth to an unconscious person.

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

No further relevant information available.

### 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:** CO<sub>2</sub>, powder or water spray. Fight larger fire with foam.

### 5.2 Special hazards arising from the substance or mixture

In a fire it is possible to release nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) & sulphur dioxide (SO<sub>2</sub>).

(Contd. on page 3)

**Safety data sheet**  
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(Contd. of page 2)

**5.3 Advice for firefighters****Protective equipment:**

Self-contained breathing apparatus and protective clothing in case of fire.

Wear eye protection.

**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:**

Wear protective equipment. Keep unprotected persons away.

Avoid contact with skin and eyes.

Ensure adequate ventilation.

Avoid inhalation of vapors.

**6.1.1 For non-emergency personnel**

Caution for slippery surfaces.

Use personal protective equipment.

**6.1.2 For emergency responders**

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

**6.2 Environmental precautions:**

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

Prevent the product from entering sewers, rivers or the aquatic environment.

**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 the eyes and skin

Ensure adequate ventilation.

Avoid inhaling vapors.

Do not eat, drink or smoke when using this product.

Wash your hands thoroughly after handling.

Wash contaminated clothes before reusing them.

**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:** Store in well-sealed containers and in well-ventilated areas. Keep it cool.**Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:** Stored away from oxidizing agents.**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.

— EN —

(Contd. on page 4)

**Safety data sheet**  
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**EU 2020/878 and Regulation No 1272/2008/EC (CLP)**

Printing date 10.05.2024

Version number 3 (replaces version 2)

Revision: 10.05.2024

Trade name: LAVA 2T SUPER MIX

(Contd. of page 3)

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**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** Provide adequate ventilation.**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

Avoid contact with the eyes and skin.

Do not breathe vapours or mists.

Remove contaminated clothes and wash before reusing them.

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

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

**Respiratory protection:**

In conditions of inadequate ventilation, use an appropriate respirator.

**Hand protection**

Wear suitable gloves (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**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.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions.

Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

**Eye/face protection**

Goggles recommended during refilling

(Contd. on page 5)

— EN —

# Safety data sheet

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Version number 3 (replaces version 2)

Revision: 10.05.2024

Trade name: LAVA 2T SUPER MIX

(Contd. of page 4)

Body protection:



Protective work clothing

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

Physical state	Liquid
Colour:	brown
Odour:	Characteristic odour of lubricating oil.
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	Not determined
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Flash point:	140 °C
	Not Flammable
Auto-ignition temperature:	Not specified
Decomposition temperature:	Not determined
pH	Not determined
Viscosity:	
Kinematic viscosity at 40 °C	78 mm <sup>2</sup> /s
Dynamic:	Not determined
Solubility	
water:	Not miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure:	Not determined
Density and/or relative density	
Density at 20 °C:	0.884 g/cm <sup>3</sup>
Relative density	Not determined
Vapour density	Not determined

### 9.2 Other information

#### Appearance:

Form: Liquid

#### Important information on protection of health and environment, and on safety.

Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	Not applicable
Fusion temperature / range:	Not applicable
Oxidising properties	Not classified as an oxidizer according to CLP Regulation 1272/2008/EC.

(Contd. on page 6)

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Version number 3 (replaces version 2)

Revision: 10.05.2024

Trade name: LAVA 2T SUPER MIX

(Contd. of page 5)

<b>Evaporation rate</b>	Not determined
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**Information with regard to physical hazard classes**

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

## 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, flames, sparks, other sources of ignition.

**10.5 Incompatible materials** Oxidizing agents

**10.6 Hazardous decomposition products**

Nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) & sulfur dioxide (SO<sub>2</sub>).

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## SECTION 11: Toxicological information

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
**Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values relevant for classification:**

(CAS: 64742-55-8) Distillates (petroleum), hydrotreated light paraffinic

Acute toxicity:

Ingestion LD50&gt; 5,000 mg / kg bw

Skin LD50&gt; 5,000 mg / kg bw Rabbits

Inhalation LD50> 5,000 mg / m<sup>3</sup> Rats, air

**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.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

(Contd. on page 7)

**Safety data sheet**  
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Revision: 10.05.2024

**Trade name: LAVA 2T SUPER MIX**

(Contd. of page 6)

**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.**Additional toxicological information:****Repeated dose toxicity** Based on available data, the classification criteria are not met.**11.2 Information on other hazards****Endocrine disrupting properties**

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

None of the ingredients is listed.

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**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:**

(CAS: 64742-55-8) Distillates (petroleum), light paraffinic, hydrotreated

Freshwater fish 96 hours LL50 &gt; 100 mg/l

Freshwater fish NOEL &gt; 10 mg/l

Aquatic invertebrates 48 hours EL50 &gt; 10 000 mg/l

Freshwater invertebrates NOEL based on mobility and reproductive performance &gt; 10 mg/l

Water for 72 hours EL50 &gt; 100 mg/l

Water micro-organisms NOEL 2,17 mg/l

**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**

The product does not contain ingredients that are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative at levels of 0.1% or higher according to REACH, Annex XIII.

**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties**

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

**12.7 Other adverse effects****Additional ecological information:****General notes:** Not known to be hazardous to water.

— EN —

(Contd. on page 8)



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Revision: 10.05.2024

Trade name: LAVA 2T SUPER MIX

(Contd. of page 7)

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Recommendation



Dispose according to National Regulations.

Contact manufacturer for recycling information.

#### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

Unenforceable. Not classified as dangerous for transport.

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 Maritime transport in bulk according to IMO instruments

Not applicable.

UN "Model Regulation":

Void

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### SECTION 15: Regulatory information

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

Note L applies. The DMSO content is less than 3% (IP 346).

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

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.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

(Contd. on page 9)



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(Contd. of page 8)

## Directive 2012/18/EU

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

## DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

## REGULATION (EU) 2019/1148

### Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

### Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

## Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

## Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

**National regulations:** None

## 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.

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## 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

H304 May be fatal if swallowed and enters airways.

### 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.

**Classification according to Regulation (EC) No 1272/2008 -**

### Department issuing SDS:



SUSTCHEM S.A.

REACH & Chemical Services Department

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T: +30 210 8252510 | F: +30 210 8252575

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**Version number of previous version:** 2

### Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

(Contd. on page 10)



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**Trade name: LAVA 2T SUPER MIX**

(Contd. of page 9)

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)

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

Asp. Tox. 1: Aspiration hazard – Category 1

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

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