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# Safety data sheet (English translation without any country-specific legislation)

according to 1907/2006/EC, Article 31

Printing date 02.01.2023 Rev. n. 1 Revision: 02.01.2023 SECTION 1: Identification of the substance/mixture and of the company/undertaking · 1.1 Product identifier · Trade name: EUROSINT 2 EVO • 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 Engine oil · 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: EMAK S.p.A. Via Fermi, 4 42011 BAGNOLO IN PIANO (RE) Tel. +39 0522 956611 • Further information obtainable from: EMAK S.p.A. - E-mail: schedesicurezza@emak.it · 1.4 Emergency telephone number: ITALY - POISONS CENTRES (24h / 365d): • Milano - Azienda Ospedaliera Niguarda Ca' Granda - Tel. +39 02 66101029 Pavia - Centro Nazionale d'Informazione Tossicologica - IRCCS Fondazione Salvatore Maugeri Clinica del Lavoro e della riabilitazione - Tel. +39 0382 24444

- Firenze Azienda Ospedaliera Universitaria "Careggi" U.O. Tossicologia Medica Tel. +39 055 7947819
- Bergamo Azienda Ospedaliera "Papa Giovanni XXIII", tossicologia clinica Tel. +39 800 883300
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- Napoli Azienda Ospedaliera "Antonio Cardarelli", III Servizio di anestesia e rianimazione Tel. +39 081 5453333
- Verona CAV dell'Azienda ospedaliera integrata (AOUI) di Verona sede di Borgo Trento Tel. +39 800 011858

## SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
   Classification according to Regulation (EC) No 1272/2008 The product is not classified, according to the CLP regulation.
- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008 Void
  - · Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- Additional information:
- EUH208 Contains Long Chain Alkyl Phenol. May produce an allergic reaction.
- 2.3 Other hazards
  - Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

## · 3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.



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|-------------------------------------------|-----------------------------------------------------------------------|--------------------|
| <ul> <li>Dangerous components:</li> </ul> |                                                                       |                    |
| CAS: 64742-53-6                           | Distillates (petroleum), hydrotreated light naphthenic *              | 10-25%             |
| EINECS: 265-156-6                         | 🚸 Asp. Tox. 1, H304                                                   |                    |
| Index number: 649-466-00-2                |                                                                       |                    |
| Reg.nr.: 01-2119480375-34-XXXX            |                                                                       |                    |
| EC number: 918-481-9                      | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics | 10-20%             |
| Reg.nr.: 01-2119457273-39-XXXX            | 🚸 Asp. Tox. 1, H304, EUH066                                           |                    |
| EC number: 931-468-2                      | Long Chain Alkyl Phenol                                               | <u>_&lt;0.3%</u>   |
| Reg.nr.: 01-2119498288-19-XXXX            | 🚯 STOT RE 2, H373; 🚸 Skin Sens. 1B, H317                              |                    |
| · Additional information:                 |                                                                       |                    |

#### Additional information

\* Note L, Annex VI of EU Regulation 1272/2008, IP 346: dimethyl sulfoxide (DMSO) <3% 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 off contaminated clothing and wash it before reuse.

• After inhalation: Supply fresh air and to be sure call for a doctor.

• After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Generally the product does not irritate the skin.

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.

Protect unharmed eye.

· After swallowing:

Do not induce vomiting; call for medical help immediately. Rinse out mouth with water.

• 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 further relevant information available.

## **SECTION 5: Firefighting measures**

<sup>•</sup> 5.1 Extinguishing media

• Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • For safety reasons unsuitable extinguishing agents: Water with full jet

• 5.2 Special hazards arising from the substance or mixture Formation of toxic gases is possible during heating or in case of fire.

### 5.3 Advice for firefighters

Protective equipment:
 Do not inhale explosion gases or combustion gases.
 Wear fire-fighting clothing

· Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.



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### SECTION 6: Accidental release measures

• **6.1 Personal precautions, protective equipment and emergency procedures** Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources. Ensure adequate ventilation

• 6.2 Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system.

• **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

#### · 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

Prevent formation of aerosols. Use only in well ventilated areas.

• Information about fire - and explosion protection: The product is not flammable.

Keep ignition sources away - Do not smoke.

#### · 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

- · Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Do not store together with oxidising and acidic materials.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles. Store receptacle in a well ventilated area.

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.

| · DNELs |
|---------|
|---------|

| DIALLS                                                                   |                                              |                                      |  |
|--------------------------------------------------------------------------|----------------------------------------------|--------------------------------------|--|
| CAS: 64742-53-6 Distillates (petroleum), hydrotreated light naphthenic * |                                              |                                      |  |
| Oral                                                                     | DNEL / Long Term exposure - Systemic effects | 0.74 mg/kg bw/d (general population) |  |
| Dermal                                                                   | DNEL / Long Term exposure - Systemic effects | 0.97 mg/kg bw/d (workers)            |  |
| Inhalative                                                               | DNEL / Long Term exposure - Systemic effects | 2.73 mg/m³ (workers)                 |  |
|                                                                          | DNEL / Long Term exposure - Local effects    | 1.19 mg/m³ (general population)      |  |
|                                                                          |                                              | 5.58 mg/m³ (workers)                 |  |

· Additional information: The lists valid during the making were used as basis.

#### · 8.2 Exposure controls

• Appropriate engineering controls No further data; see item 7.



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Protective gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

Nitrile rubber, NBR

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

· Eye/face protection Goggles recommended during refilling

· Body protection: Light weight protective clothing

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|---------------|---------------------------------------|----------|---------------------------------------|
| SECTION 9: Ph | vsical and                            | cnemical | properties                            |
|               |                                       |          |                                       |

| 9.1 Information on basic physical and chemical properties |                                                                      |
|-----------------------------------------------------------|----------------------------------------------------------------------|
| General Information                                       |                                                                      |
| · Physical state                                          | Fluid                                                                |
| · Colour:                                                 | Blue                                                                 |
| · Odour:                                                  | Characteristic                                                       |
| · Odour threshold:                                        | Not determined.                                                      |
| · Melting point/freezing point:                           | -36 °C                                                               |
| Boiling point or initial boiling point and boiling range  | Undetermined.                                                        |
| Flammability                                              | Non-flammable mixture                                                |
| · Lower and upper explosion limit                         |                                                                      |
| · Lower:                                                  | Not determined.                                                      |
| · Upper:                                                  | Not determined.                                                      |
| · Flash point:                                            | 90 °C                                                                |
| · Decomposition temperature:                              | Not applicable.                                                      |
|                                                           | Mixture is not self-reactive, does not contain organic peroxides and |
|                                                           | does not decompose under the foreseen conditions of use              |
| · pH                                                      | Not applicable.                                                      |
| pri                                                       | Mixture is non-soluble (in water).                                   |
| · Viscosity:                                              |                                                                      |
| · Kinematic viscosity at 40 °C                            | 43.45 mm²/s                                                          |
|                                                           | 75.75 11111 / 5                                                      |
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Printing date 02.01.2023 Rev. n. 1 Revision: 02.01.2023 Trade name: EUROSINT 2 EVO (Contd. of page 4) Solubility · water: Insoluble. · Partition coefficient n-octanol/water (log value) Not applicable. The product is a mixture. Not determined. · Vapour pressure: · Density and/or relative density Density at 20 °C: 0.85 g/cm<sup>3</sup> · Relative gas density Not determined. · 9.2 Other information · Appearance: Fluid · Form: · Important information on protection of health and environment, and on safety. Auto-ignition temperature: Product is not selfigniting. · Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible. Change in condition · Evaporation rate Not determined. 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 Void · Oxidising solids · Organic peroxides Void · Corrosive to metals Void Desensitised explosives Void

## SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

• **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications. To avoid thermal decomposition do not overheat.

· 10.3 Possibility of hazardous reactions No dangerous reactions known.

· 10.4 Conditions to avoid Protect from heat and direct sunlight.

• **10.5 Incompatible materials:** strong bases Strong oxidising agents



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 Avoid contact with acids.
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 · 10.6 Hazardous decomposition products: No dangerous decomposition products known.
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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: 64                                                               | CAS: 64742-53-6 Distillates (petroleum), hydrotreated light naphthenic * |                                                            |  |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------|--|
| Oral                                                                  | LD50                                                                     | >5,000 mg/kg (rat) (OECD TG 401: Acute Oral Toxicity)      |  |
| Dermal                                                                | LD50                                                                     | >2,000 mg/kg (rabbit) (OECD TG 402: Acute Dermal Toxicity) |  |
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics |                                                                          |                                                            |  |
| Oral                                                                  | LD50                                                                     | >15,000 mg/kg (rat) (OECD TG 401: Acute Oral Toxicity)     |  |
| Dermal                                                                | LD50                                                                     | >3,160 mg/kg (rabbit) (OECD TG 402: Acute Dermal Toxicity) |  |
|                                                                       |                                                                          |                                                            |  |

- 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.

- 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.
- <sup>•</sup> 11.2 Information on other hazards

#### · Endocrine disrupting properties

None of the ingredients is listed.

## SECTION 12: Ecological information

#### · 12.1 Toxicity

### · Aquatic toxicity:

| Aqualic loxicity.                                                                                       |                                                                                                      |  |
|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--|
| CAS: 64742-53-6 Distillates (petroleum), hydrotreated light naphthenic *                                |                                                                                                      |  |
| LL50 / 96h                                                                                              | >100 mg/l (fish - Pimephales promelas) (OECD TG 203: Fish, Acute Toxicity Test)                      |  |
| EL50 / 48h                                                                                              | >10,000 mg/l (crustacea - Daphnia magna) (OECD TG 202: Daphnia sp. Acute Immobilisation Test)        |  |
| NOAEL                                                                                                   | ≥100 mg/l /72h (algae - Pseudokirchneriella subcapitata) (OECD TG 201: Alga, Growth Inhibition Test) |  |
|                                                                                                         | 10 mg/l /21d (crustacea - Daphnia magna) (OECD TG 211: Daphnia Magna Reproduction Test)              |  |
| NOELR                                                                                                   | ≥1,000 mg/l /14d (fish - Oncorhynchus mykiss)                                                        |  |
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics                                   |                                                                                                      |  |
| LL50 / 96h                                                                                              | >1,000 mg/l (fish - Oncorhynchus mykiss) (OECD TG 203: Fish, Acute Toxicity Test)                    |  |
| EL50 / 48h                                                                                              | >1,000 mg/l (crustacea - Daphnia magna) (OECD TG 202: Daphnia sp. Acute Immobilisation Test)         |  |
| EL50/ 72h                                                                                               | >1,000 mg/l (algae - Pseudokirchneriella subcapitata) (OECD TG 201: Alga, Growth Inhibition Test)    |  |
| · 12.2 Persistence and degradability                                                                    |                                                                                                      |  |
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics                                   |                                                                                                      |  |
| Ready Biodegradability / 28d 80 % (OECD TG 301F: Ready Biodegradability: Manometric Respirometry Test)) |                                                                                                      |  |

• **12.3 Bioaccumulative potential** No further relevant information available.

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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 Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects
Remark: Toxic for fish
Additional ecological information:
General notes:
Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

| SECTION 14: Transport information                                         |                                |  |
|---------------------------------------------------------------------------|--------------------------------|--|
| <ul> <li>14.1 UN number or ID number</li> <li>ADR, IMDG, IATA</li> </ul>  | Void                           |  |
| <ul> <li>14.2 UN proper shipping name</li> <li>ADR, IMDG, IATA</li> </ul> | Void                           |  |
| · 14.3 Transport hazard class(es)                                         |                                |  |
| · ADR, ADN, IMDG, IATA<br>· Class                                         | Void                           |  |
| · 14.4 Packing group<br>· 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 IM                         | 10 instruments Not applicable. |  |
| · UN "Model Regulation":                                                  | Void                           |  |

## SECTION 15: Regulatory information

• **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture** Regulation (EC) No 1907/2006 (REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals) Regulation (EC) No 1272/2008 (CLP - Classification, Labelling and Packaging of substances and mixtures)



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· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

• 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

- H304 May be fatal if swallowed and enters airways.
- H317 May cause an allergic skin reaction.
- H373 May cause damage to organs through prolonged or repeated exposure.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- · Contact: EMAK S.p.A.

#### • Abbreviations and acronyms:

LC50: Lethal concentration, 50 percent REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals CLP: Classification, Labelling and Packaging TLV: Threshold Limit Value TLV-TWA: Threshold Limit Value - Time Weighted Average TLV-STEL: Threshold Limit Value - Short Term Exposure Limit PEL: Permissible Exposure Limits (Limiti di esposizione consentiti) REL: Recommended Exposure Limits (Limiti di esposizione raccomandati) IOELV: Indicative Occupational Exposure Limit Value WEELs: Workplace Environmental Exposure Limits (Limiti di esposizione ambientale sul posto di lavoro) BEI: Biological Exposure Indices LC50: Lethal Concentration, 50 percent EC50: Effective Concentration, 50 percent ErC50: Effective Concentration, 50 percent, reduction of growth rate LL50: Lethal Loading, 50 percent EL50: Effective Loading, 50 percent NOEC: No-Observed Effect Concentration NOELR: No Observed Effect Loading Rate Kow: Octanol-Water partition coefficient BCF: BioConcentration Factor DNEL: Derived No-Effect Level (REACH) 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 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) DNEL: Derived No-Effect Level (REACH) LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic



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vPvB: very Persistent and very Bioaccumulative WGK: Wassergefährdungsklasse - Water hazard class, Germany Skin Sens. 1B: Skin sensitisation – Category 1B STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 Asp. Tox. 1: Aspiration hazard – Category 1