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1 Identification of the substance/preparation and of the company/undertaking· **Product details**· **Trade name:** IONOPLUS IME-MH· **Article number:** 50090· **Application of the substance / the preparation** Dielectric· **Manufacturer/Supplier:** Oel-Held GmbH
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Internet: www.oel-held.de· **Further information obtainable from:** Department of application +49-(0)711/16863-71· **Information in case of emergency:** see above or consult the next poison information department**2 Composition/information on ingredients**· **Chemical characterization**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous components:**

Synthetic aliphatic hydrocarbons	 Xn; R 65-66	25-50%
Hidrocarbonos sintéticos alifáticos	 Xn; R 65-66	25-50%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.**3 Hazards identification**· **Hazard description:**· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 65 Harmful: may cause lung damage if swallowed.
R 66 Repeated exposure may cause skin dryness or cracking.

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First-aid measures· **General information:**

Remove any clothing soiled by the product.

· **After inhalation:**

Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Wash with water and soap and rinse thoroughly.

· **After eye contact:**

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

· **After swallowing:**

Do not induce vomiting; call for medical help immediately.

5 Fire-fighting measures· **Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fire with alcohol resistant foam.· **For safety reasons unsuitable extinguishing agents:**

Water with full jet

· **Special hazards caused by the substance, its products of combustion or resulting gases:**

Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
Carbon monoxide (CO)

· **Protective equipment:**

Wear self-contained respiratory protective device.

· **Additional information**

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

Cool endangered receptacles with water spray.

6 Accidental release measures· **Person-related safety precautions:**

Ensure adequate ventilation
Particular danger of slipping on leaked/spilled product.

· **Measures for environmental protection:**

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

· **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

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· **Additional information:** See Section 8 for information on personal protection equipment.

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7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaust at the workplace.
Open and handle receptacle with care.
Recommendation: Level of dielectric over the place of erosion min. 40 mm.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from heat and direct sunlight.
Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
Not necessary if room is well-ventilated.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:** Protective gloves and protective skin cream
- **Material of gloves:** Nitrile rubber, NBR
- **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 protection:** Goggles recommended during refilling
- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **General Information**
 - Form:** Fluid
 - Colour:** Fluorescent green
 - Odour:** Odourless
- **Change in condition**
 - Boiling point/Boiling range:** > 240°C (DIN 51751)
 - Pour point:** -15°C
- **Flash point:** 107°C (DIN EN 22719)
- **Ignition temperature:** > 220°C
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower:** 0.6 Vol % (DIN 51649)
 - Upper:** 7.0 Vol % (DIN 51649)
- **Density at 15°C:** 0.79 g/cm³ (DIN 51757)
- **Solubility in / Miscibility with water:** Insoluble.
- **Viscosity:**
 - Kinematic at 40°C:** 2.5 mm²/s (DIN 51562)

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:** Strong oxidizing agents

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- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Repeated/long exposure may cause skin dryness and in consequence skin irritations.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

12 Ecological information

- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

12 01 07	mineral-based machining oils free of halogens (except emulsions and solutions)
12 01 15	machining sludges other than those mentioned in 12 01 14

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

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Labelling according to EU guidelines:** The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:** Xn Harmful
- **Hazard-determining components of labelling:** Synthetic aliphatic hydrocarbons
- **Risk phrases:** 65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.
- **Safety phrases:** 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
- **National regulations:**
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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 R-phrases** 65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.
- **Department issuing MSDS:** Department of application +49-(0)711/16863-71