

Printing date 29.11.2004

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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:

oelheld GmbH
Ulmer Str. 135-139
D-70188 Stuttgart
Tel.: +49-(0)711/16863-0
Fax.: +49-(0)711/16863-40
GERMANYE-Mail: hutech@oelheld.de
Internet: www.oelheld.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: Preparation of substances listed below with nonhazardous additions.

· Dangerous components:

Synthetic aliphatic hydrocarbons

 Xn; R 65-66 | 50-100%

· Additional information:

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

3 Hazards identification

· Hazard description:



Xn Harmful

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

· Classification system:

4 First-aid measures

· General information:

Remove any clothing soiled by the product.

· 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.

(Contd. on page 2)

GB

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Trade name: IONOPLUS IME-MH

· Additional information:

See Section 8 for information on personal protection equipment.

(Contd. of page 1)

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, direct sunlight and UV-rays.
Store in cool, dry conditions in well sealed receptacles.
At temperatures below approx. 0°C the product may crystallize and get solid. In this case warm up slightly before use.

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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· 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.

· Respiratory protection:

Not necessary if room is well-ventilated.

· Protection of hands:

Protective gloves or protective skin cream

· Material of gloves

Nitrile rubber, NBR

· Penetration time of glove material

At a glove thickness of about 0,4 mm the value of the permeation breakthrough in accordance with EN 374 is for chemically similar products according to the manufacturer: >480 min. (Degradation EN 374 rating class 6)
These statements are based on laboratory test methods which could not simulate working conditions exactly. The responsibility rests with the end user for choosing the right gloves for his application.
Goggles recommended during refilling
Protective work clothing

· Eye protection:

· Body protection:

9 Physical and chemical properties

· General Information

Form:

Fluid

Colour:

Fluorescent green

Odour:

Odourless

· Change in condition

Boiling point/Boiling range:

> 240°C (DIN 51 751)

Pour point:

- 15°C

· Flash point:

107°C (DIN EN 22719)

· Ignition temperature:

> 220°C (DIN 51 794)

· Self-igniting:

Product is not selfigniting.

· Danger of explosion:

Product does not present an explosion hazard.

· Explosion limits:

Lower:

0.6 Vol % (DIN 51 649)

Upper:

7.0 Vol % (DIN 51 649)

· Density at 15°C:

0.79 g/cm³ (DIN 51 757)

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

(Contd. on page 3)

GB

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(Contd. of page 2)

- pH-value: Not applicable
- Viscosity:
 - Kinematic at 40°C: 2.5 mm²/s (DIN 51 562)
 - Kinematic at 20°C: 3.8 mm²/s (DIN 51 562)

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Materials to be avoided: Strong oxidizing agents
- Dangerous reactions: No dangerous reactions known.
- Dangerous decomposition products: No dangerous decomposition products known.

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

- Information about elimination (persistence and degradability): Not easily biodegradable
- 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
- For the sludge which occurs during working: 12 01 15
- 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.

(Contd. on page 4)

GB

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(Contd. of page 3)

- **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

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