

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 02/01/2021

Version 4

Reviewed on 02/01/2021

**1 Identification**

- **Product identifier**
- **Product name:** **IonoGrind 165**
- **Product code:** A101439
- **Relevant identified uses of the substance or mixture and uses advised against** —
- **Application of the substance / the mixture** Industrial use
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** oelheld GmbH  
Ulmer Str. 133-139  
70188 Stuttgart  
GERMANY  
Tel.: +49-(0)711-16863-0  
Fax.: +49-(0)711-16863-3500  
E-Mail: hutec@oelheld.de  
Internet: www.oelheld.de
- **Imported by:** oelheld U.S., Inc.  
1100 Wesemann Drive  
West Dundee, Illinois (US) - 60118  
  
Phone: +1-847-531-8501 Email: hutec-us@oelheld.com  
FAX: +1-847-531-8511 www.oelheld.com
- **Information department:** Tel. +49-(0)711-16863-0  
msds@oelheld.de
- **Emergency telephone number:** In the event of a medical or chemical emergency contact ChemTel Inc.™  
North America 1-800-255-3924 or Worldwide Intl. +1-813-248-0585

**2 Hazard(s) identification**

- **Classification of the substance or mixture**



GHS08 Health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

- **Label elements**
- **GHS label elements**
- **Hazard pictograms**

The product is classified and labeled according to the Globally Harmonized System (GHS).



GHS08

- **Signal word**

Danger

- **Hazard-determining components of labeling:**

Distillates (petroleum), hydrotreated light paraffinic  
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based  
H304 May be fatal if swallowed and enters airways.

- **Hazard statements**
- **Precautionary statements**

P301+P310 If swallowed: Immediately call a poison center/doctor.  
P331 Do NOT induce vomiting.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0  
Fire = 1  
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = 0  
Fire = 1  
Reactivity = 0

- **Other hazards**

The NFPA- and the HMIS-ratings range from 0 (least severe hazard) to 4 (most severe hazard).  
NFPA and HMIS are regulations in the USA.  
NFPA: National Fire Protection Association  
HMIS: Hazardous Material Identification System  
Personal protective equipment (PPE) Codes: We recommend the following personal protection:  
HMIS Letter B - Required Equipment: Safety glasses, gloves

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**3 Composition/information on ingredients**

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

64742-55-8	Distillates (petroleum), hydrotreated light paraffinic	Asp. Tox. 1, H304	25-50%
72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	Asp. Tox. 1, H304	25-50%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

**4 First-aid measures**

- **Description of first aid measures**
- **General information:** Remove any clothing soiled by the product.  
In case of occurring of symptoms or in doubt consult a doctor.  
If a doctor is consulted show this material safety data sheet.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Wash with water and soap and rinse thoroughly.  
Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After ingestion:** Do not induce vomiting; immediately call for medical help.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

**5 Fire-fighting measures**

- **Extinguishing media**
- **Suitable extinguishing media:** CO2, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.
- **For safety reasons unsuitable extinguishing media:** Water with full jet
- **Special hazards arising from the substance or mixture** In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:  
Carbon monoxide (CO)  
Sulphur dioxide (SO2)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation  
Particular danger of slipping on leaked/spilled product.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.  
Do not allow to penetrate the ground/soil.  
Keep contaminated washing water and dispose of appropriately.
- **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to section 13.
- **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.
- **Protective Action Criteria for Chemicals**

· **PAC-1:**

None of the ingredients is listed.

· **PAC-2:**

None of the ingredients is listed.

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**PAC-3:**

None of the ingredients is listed.

**7 Handling and storage**

**Handling:**

**Precautions 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. 50 mm.

**Information about protection against explosions and fires:**

On formation of mist, design capsulation of the machine with openings for the relieving of pressure and a fire-fighting appliance because mist may form explosive/flammable vapour-air mixture.  
When residues of the product are removed in a purification plant:  
Possible release of flammable substances by distillation in systems with solvent recovery.  
Risk of accumulation in the solvent circuit.

**Conditions for safe storage, including any incompatibilities**

**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:**

Store in cool, dry conditions in well sealed receptacles.  
Protect from heat, direct sunlight and UV-rays.  
Storage stability under the described conditions at least 24 months.

**Specific end use(s)**

No further relevant information available.

**8 Exposure controls/personal protection**

**Additional information about design of technical systems:**

No further data; see section 7.

**Control parameters**

**Components with limit values that require monitoring at the workplace:**

TLV (oil mist): TWA: 5 mg/m<sup>3</sup> STEL: 10 mg/m<sup>3</sup> (ACGIH)

**64742-55-8 Petroleum distillates, hydrotreated light paraffinic**

ACGIH (USA)	Short-term value: STEL: 10 mg/m <sup>3</sup> Long-term value: TWA: 5 mg/m <sup>3</sup> as Oil Mist, if generated
OSHA (USA)	Long-term value: TWA: 5 mg/m <sup>3</sup> as Oil Mist, if generated

**Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.  
Wash hands before breaks and at the end of work.

**Breathing equipment:**

Not necessary if room is well-ventilated.  
Use suitable respiratory protective device in case of insufficient ventilation or in cases where overexposures may occur.

**Protection of hands:**

**Material of gloves**

Protective gloves or protective skin cream  
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)

**Eye protection:**

Goggles recommended during refilling.

**Body protection:**

Protective work clothing

**9 Physical and chemical properties**

**Information on basic physical and chemical properties**

**General Information**

**Appearance:**

Form: Fluid

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- **Color:** Light yellow
- **Odor:** Characteristic
- **Odor threshold:** Not determined.
- **pH-value:** Not applicable.
- **Change in condition**
- Melting point/Melting range:** Undetermined.
- Boiling point/Boiling range:** >250 °C (>482 °F)
- **Flash point:** 165 °C (329 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Not determined.
- **Danger of explosion:** Product is not explosive. However formation of explosive air/vapour mixtures above the flash point or in case of strong misting is possible.
- **Explosion limits:**
- Lower:** Not determined.
- Upper:** Not determined.
- **Vapor pressure:** Not determined.
- **Density at 15 °C (59 °F):** 0.825 g/cm<sup>3</sup> (6.885 lbs/gal)
- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Solubility in / Miscibility with**
- Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
- Dynamic:** Not determined.
- Kinematic at 40 °C (104 °F):** 8.5 mm<sup>2</sup>/s
- **Solvent content:**
- VOC (EC)** None
- VOC (California)** None
- **Oxidising properties:** Not determined.
- **Other information** No further relevant information available.

**10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** See above
- **Incompatible materials:** Strong oxidizing agents
- **Hazardous decomposition products:** No decomposition if used and stored according to specifications.

**11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:** ATE mix:  
Oral: Acute toxicity estimate: > 2,000 mg/kg  
Dermal: Acute toxicity estimate: > 2,000 mg/kg  
Inhalation: Acute toxicity estimate: for gases > 20,000 ppmV; for vapours > 20 mg/l; for dust/mist > 5 mg/l

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

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

**72623-86-0 Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** Based on available data, the classification criteria are not met.
- **on the eye:** Based on available data, the classification criteria are not met.

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· **Sensitization:** Based on available data, the classification criteria are not met.

· **Additional toxicological information:**

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

See also Section 15.

· **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**

May be fatal if swallowed and enters airways.

**12 Ecological information**

· **Toxicity**

· **Aquatic toxicity:**

No further relevant information available.

· **Persistence and degradability**

No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential**

No further relevant information available.

· **Mobility in soil**

No further relevant information available.

· **Other adverse effects**

No further relevant information available.

**13 Disposal considerations**

· **Waste treatment methods**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:**

Disposal must be made according to official regulations.

**14 Transport information**

· **UN-Number**

· **DOT, ADR, ADN, IMDG, IATA**

Void

· **UN proper shipping name**

· **DOT, ADR, ADN, IMDG, IATA**

Void

· **Transport hazard class(es)**

· **DOT**

· **Class**

Void

· **Label**

Void.

· **ADR**

· **Class**

Void

· **Label**

Void

· **ADN/R Class:**

Void

· **Packing group**

· **DOT, ADR, IMDG, IATA**

Void

· **Environmental hazards:**

Not applicable.

· **Special precautions for user**

Not applicable.

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **Transport/Additional information:**

Not dangerous according to the above specifications.

· **DOT**

· **Remarks:**

Void.

· **ADR**

· **Excepted quantities (EQ):**

Void

· **Limited quantities (LQ)**

Void

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- Transport category Void
- Tunnel restriction code Void
- IMDG
- Limited quantities (LQ) Void
- Excepted quantities (EQ) Void
- IATA
- Remarks: Void.
- UN "Model Regulation": Void

**15 Regulatory information**

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

See section 8 for information.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **National regulations:**

· **Information about limitation of use:** Employment restrictions concerning young persons must be observed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**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.

- **Reasons for alterations** General revision.
- **Relevant phrases** H304 May be fatal if swallowed and enters airways.

- **Department issuing SDS:** Department of Research & Development
- **Date of preparation / last revision** 02/01/2021 / 3

- **Abbreviations and acronyms:**
  - EC: European Community
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - OEL: Occupational Exposure Limit
  - PNOS: Particles Not Otherwise Specified
  - STEL: Short Time Exposure Limit
  - TLV: Threshold Limit Value
  - TWA: Time Weighted Average concentration
  - WEEL: Workplace Environmental Exposure Level
  - TLV: Threshold limit value
  - TWA: Time Weighted Average concentration
  - STEL: Short Time Exposure Limit
  - IOELV: Indicative Occupational Exposure Limit Value
  - OSHA: Occupational Safety & Health Administration of the U.S. Department of Labor
  - EC50: ecotoxic concentration, 50 percent
  - NOEC: no observed effect concentrations
  - NOELR: No observed effect loading rate

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ATE: acute toxicity estimate  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
VOC: Volatile Organic Compounds (USA, EC)  
ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
Asp. Tox. 1: Aspiration hazard – Category 1

· \* Data compared to the previous  
version altered.

US-