

INTATRADE  
**MATERIAL SAFETY DATA SHEET**  
Regulation (EC) No 1907/2006

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## 1. PRODUCT AND COMPANY INFORMATION

Productname: **Methyl nonyl ketone**  
Productnumber: IS00429  
Company: INTATRADE Chemicals GmbH  
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## 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**  
**REGULATION (EC) No 1272/2008**  
Chronic aquatic toxicity Category 2

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

**Symbol(s)** N - Dangerous for the environment  
**R -phrase(s)** none  
**Risk Combination Phrases** R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

### Label Elements



**Signal Word** Warning  
**Hazard Statements** H411 - Toxic to aquatic life with long lasting effects  
**Precautionary Statements – EU (§28, 1272/2008)** P273 - Avoid release to the environment  
**Other Hazards** No information available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Name Methyl Nonyl Ketone  
Synonyms: 2-Undecanone; 2-Hendecanone  
CAS no. 112-12-9  
EINECS no. 203-937-5  
Formula C11H22O  
Molecular Weight 170.29

## 4. FIRST AID MEASURES

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.  
**Skin Contact** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Obtain medical attention.  
**Ingestion** Clean mouth with water. Get medical attention.  
**Inhalation** Remove from exposure, lay down. Move to fresh air. Obtain medical attention.

Notes to Physician Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

### Extinguishing media

#### Suitable Extinguishing

**Media** Water spray Carbon dioxide (CO<sub>2</sub>). Dry chemical foam.

#### Extinguishing media which must not be used

**for safety reasons** No information available.

#### Special hazards arising from the

**substance or mixture** Combustible material. Flammable

**Advice for fire-fighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

**Environmental precautions** Prevent further leakage or spillage if safe to do so

### Methods and material for containment

#### and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable and closed containers for disposal. Do not let this chemical enter the environment.

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## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid contact with skin and eyes. Do not breathe dust. Do not breathe vapours or spray mist. Do not ingest.

### Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Keep away from heat and sources of ignition.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

#### Exposure limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### Derived No Effect Level (DNEL)

No information available.

#### Predicted No Effect Concentration (PNEC)

No information available.

### Exposure controls

#### Engineering Measures

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal protective equipment

#### Eye Protection

Goggles

#### Hand Protection

Protective gloves

#### Skin and body

#### protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

#### Respiratory Protection

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

### Environmental exposure controls

No information available.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Appearance</b>	Light yellow
<b>Odour</b>	No information available
<b>pH</b>	No information available.
<b>Vapour Pressure</b>	<1mmHg @ 20°C
<b>Vapour Density</b>	5.9
<b>Boiling Point/Range</b>	231-232 @ 760mmHg
<b>Melting Point/Range</b>	11-13°C
<b>Flash Point</b>	88°C
<b>Water Solubility</b>	Insoluble
<b>Specific Gravity</b>	0.824

## 10. STABILITY AND REACTIVITY

### Reactivity

**Chemical Stability** Stable under normal conditions.

### Possibility of Hazardous Reactions

**Hazardous Polymerization** No information available. Hazardous polymerization does not occur.

**Hazardous Reactions** No information available.

**Conditions to Avoid** Incompatible products.

**Incompatible Materials** Strong oxidizing agents, strong bases.

**Hazardous Decomposition Products** Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>).

## 11. TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

#### Acute Toxicity

**Product Information** No acute toxicity information is available for this product

**Component Information** LD50 Oral 5g/kg (Rat)  
LD50 Dermal 5g/kg (Rabbit)

#### Chronic Toxicity

**Carcinogenicity** There are no known carcinogenic chemicals in this product

**Sensitization** No information available.

**Mutagenic Effects** No information available

**Reproductive Effects** No information available.

**Developmental Effects** No information available.

**Target Organs** No information available.

**Other Adverse Effects** The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

#### Endocrine Disruptor

**Information** None known

## 12. ECOLOGICAL INFORMATION

### Toxicity

**Ecotoxicity effects** Do not empty into drains

**Freshwater Fish** 1.6-3.1mg/L LC50 96h

1.39-1.62mg/L LC50 96h

2.2-4.4mg/L LC50 96h

**Persistence and degradability** No information available

**Bioaccumulative potential** No information available.

**Mobility in soil** No information available.

### Results of PBT and vPvB assessment

**Other adverse effects** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods****Waste from Residues / Unused****Products**

Dispose of in accordance with local regulations

**Contaminated Packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

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**14. TRANSPORT INFORMATION****ADR/RID** Not hazardous goods**IMDG** Not hazardous goods**IATA** Not hazardous goods

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**15. REGULATORY INFORMATIONS****Safety, health and environmental regulations/legislation specific for the substance or mixture****International Inventories**

<b>EINECS</b>	<b>ELINCS</b>	<b>NLP</b>	<b>TSCA</b>	<b>DSL</b>	<b>NDSL</b>	<b>PICCS</b>	<b>ENCS</b>	<b>China</b>	<b>AICS</b>	<b>KECL</b>
203-937-5	-	X	X	-	X	X	X	X	X	KE-35072X

**Legend****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**EINECS/ELINCS** - European Inventory Lists**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**CHINA** - China Inventory of Existing Chemical Substances**AICS** - Inventory of Chemical Substances**KECL** - Existing and Evaluated Chemical Substances**Chemical Safety Assessment**

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**16. OTHER INFORMATION****Warranty**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Intatrade Chemicals GmbH shall not be held liable for any damage resulting from handling or from contact with the above product.