

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



**Trade name :** Marking ink with oil 4734 P  
red  
**Revision date :** 02.12.2020  
**Print date :** 02.12.2020

**Version (Revision) :** 3.1.1 (3.1.0)

## SECTION 1: Identification of the substance/mixture and of the company/ undertaking

### 1.1 Product identifier

Marking ink with oil 4734 P  
red (15010750002040)  
Unique Formula Identifier (UFI): YKHD-PKXP-QXE2-864M

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses**

Industrial marking ink

### 1.3 Details of the supplier of the safety data sheet

**Supplier (manufacturer/importer/only representative/downstream user/distributor)**

Stefan Kupietz GmbH & Co. KG  
Chemische Fabrik

**Street :** August-Wilhelm-Kühnholz-Str. 9

**Postal code/city :** 26135 Oldenburg

**Telephone :** +49(0)441/20 69 50

**Telefax :** +49(0)441 /20 69 520

**Information contact :** E-Mail: info@kupietz.de

### 1.4 Emergency telephone number

Poison emergency centre +49-551-19240

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

None

### 2.2 Label elements

None

### 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Hazardous ingredients**

None

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information**

Immediately remove all contaminated clothing.

**Following inhalation**

Provide fresh air.

**In case of skin contact**

Wash away with soap and water and rinse.

**After eye contact**

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Flush with plenty of water (10 - 15 min.). Call a physician.

### After ingestion

Drink plenty of water.

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

alcohol resistant foam , Carbon dioxide (CO<sub>2</sub>) , Extinguishing powder or Water spray jet .

### 5.2 Special hazards arising from the substance or mixture

None

### 5.3 Advice for firefighters

None

### 5.4 Additional information

Cool endangered containers with water in case of fire.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources on account of the organic solvent content and air room well. Do not inhale vapours.

### 6.2 Environmental precautions

Take up with a liquid absorbing material and proceed according to the waste disposal regulations. Do not allow to enter into surface water or drains.

### 6.3 Methods and material for containment and cleaning up

#### For cleaning up

Remove mechanically, take-up residues with absorbing material.

### 6.4 Reference to other sections

None

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Normal precautions taken when handling chemicals should be observed. Only use in locations with adequate suction ventilation.

#### Protective measures

##### Measures to prevent fire

Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.

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

#### Technical measures and storage conditions

Do not leave vessels open, earth storage containers.

#### Hints on joint storage

Store the foodstuffs separately. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

**Storage class (TRGS 510) :** 10

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## Further information on storage conditions

Store containers tightly closed in a cool well ventilated place.

## 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

2,2',2''-NITRILOTRIETHANOL ; CAS No. : 102-71-6

Limit value type (country of origin) : TRGS 900 ( D )

Parameter : E: inhalable fraction

Limit value : 1 mg/m<sup>3</sup>

Peak limitation : 1(I)

Remark : Y

Version : 29.03.2019

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye/face protection

Use tightly fitting safety glasses.

##### Skin protection

###### Hand protection

Use protective butyl rubber gloves (0,5 mm). Permeation time of glove material: level >= 240 min (4h) EN374

##### Respiratory protection

###### Suitable respiratory protection apparatus

Respiratory protection necessary at: aerosol or mist formation. Half-face mask (DIN EN 140) Filtering device (full mask or mouthpiece) with filter: A

#### General information

The usual precautionary measures for the handling of chemicals have to be observed.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance :** Liquid

**Colour :** red

**Odour :** characteristic

#### Safety characteristics

**Physical state :** Liquid

**Freezing point :** No data available

**Initial boiling point and boiling range :** ( 1013 hPa ) > 140 °C

**Decomposition temperature :** > 200 °C

**Flash point :** > 61 °C Brookfield

**Auto-ignition temperature :** No data available

**Lower explosion limit :** No data available

**Upper explosion limit :** No data available

**Vapour pressure :** ( 50 °C ) < 1100 hPa

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<b>Density :</b>	( 20 °C )	~	0,932	g/cm <sup>3</sup>
<b>Solvent separation test :</b>	( 20 °C )	<	3	%
<b>Water solubility :</b>	( 20 °C )		No data available	
<b>pH :</b>		~	7,9	
<b>log P O/W :</b>			No data available	
<b>Flow time :</b>	( 20 °C )	~	94	s      DIN-cup 4 mm
<b>Odour threshold :</b>			No data available	
<b>Relative vapour density :</b>	( 20 °C )		No data available	
<b>Vapourisation rate :</b>			No data available	
<b>Flammable aerosols :</b>			No data available.	
<b>Oxidising liquids :</b>			No data available.	
<b>Explosive properties :</b>			No data available.	

## 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

No information available.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

None, if handled according to order.

### 10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. In connection with inorganic and organic acids, acid chlorides violent reactions can take place and CO<sub>2</sub> released. Formation of hydrogen by acids, lyes, moisture possible.

### 10.6 Hazardous decomposition products

No information available.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Acute inhalation toxicity

##### Practical experience/human evidence

Slight narcotic effect. Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea.

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

In case of appropriate conduction into adapted biological purification plants no disturbances have to be expected.

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### 12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

### 12.4 Mobility in soil

Very high mobility in soil with a negligible tendency to leave the sediment.

### 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6 Other adverse effects

No information available.

### 12.7 Additional ecotoxicological information

Do not empty into waters or drains.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Dispose according to legislation.

#### Directive 2008/98/EC (Waste Framework Directive)

##### After intended use

##### Waste codes/waste designations according to EWC/AVV

- 080111

##### Additional information

Contaminated packaging should be residue-free emptying. They can then be recycled after appropriate cleaning (Waste code 080112 contains no organic solvents). Contaminated packaging should be disposed of like the product. (Waste code 150110)

## SECTION 14: Transport information

### 14.1 UN number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

### 14.4 Packing group

No dangerous good in sense of these transport regulations.

### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

### 14.6 Special precautions for user

None

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations

##### Water hazard class (WGK)

Classification according to AwSV - Class : 1 (Slightly hazardous to water)

### 15.2 Chemical safety assessment

No information available.

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## SECTION 16: Other information

### 16.1 Indication of changes

15. Water hazard class (WGK)

### 16.2 Abbreviations and acronyms

None

### 16.3 Key literature references and sources for data

None

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

See SECTION 2.1 (classification).

### 16.5 Relevant H- and EUH-phrases (Number and full text)

None

### 16.6 Training advice

None

### 16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.