

SAFETY DATA SHEET

1) Identification of the substance/mixture and of the company/undertaking

Identification of the substance/preparation

| | |
|--------------|----------------------|
| Product Code | KU560-R-6 |
| Product name | KU560 rigid Malimide |
| CAS number | 1841395-07-0 |

Company/Undertaking identification

KU dyes
Universitetsparken 5
DK2100 København Ø
Denmark
+45 35320213

24 hour emergency respons: +45 35320213

For reserch use only. Not intended for human or animal diagnostics or therapeutic uses.

2) Hazards identification

GHS – Classification

Signal word

Warning



Health hazards

| | |
|---------------------|------------|
| Acute oral toxicity | Category 4 |
|---------------------|------------|

Physical hazards

| | |
|---------------|---|
| Not hazardous | - |
|---------------|---|

Hazard statements

| | |
|------|----------------------|
| H302 | Harmful if swallowed |
|------|----------------------|

Precautionary statements

| | |
|------------|---|
| P301- P312 | IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you fell unwell |
| P264 | Wash hands thoroughly after handling |
| P330 | Rinse mouth |

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Principle Routes of Exposure/Potential Health Effects

| | |
|------------|---|
| Eyes | May cause irritation with susceptible persons |
| Skin | May be harmful in contact with skin |
| Inhalation | May be harmful by inhalation |
| Ingestion | Harmful if swallowed |

Specific effects

| | |
|-----------------------|---|
| Carcinogenic effects | none |
| Mutagenic effects | Substances which cause concern for man which the available information is not adequate for making a satisfactory assessment |
| Reproductive toxicity | none |
| Sensitisation | none |

Target Organ Effects No known effects under normal use conditions

HMIS

| | |
|--------------|---|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |

3) Composition/information on ingredients

| Chemical Name | CAS No | EINECS No | Weight % |
|---------------------------------------|--------------|-----------|----------|
| N-(4-malimide-phenyl)-N'-methyl-DAOTA | 1841395-07-0 | - | 100 |

The product contains no substances which at their given concentration are considered to be hazardous to health. KU dyes recommend handling chemicals with caution.

4) FIRST AID MEASURES

| | |
|--------------------|--|
| Skin contact | Rinse with plenty of water. If symptoms arise, call a physician. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms arise, call a physician. |
| Ingestion | Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice. |
| Inhalation | Move to fresh air. If symptoms arise, call a physician. If not breathing, give artificial respiration. |
| Notes to physician | Treat symptomatically |

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5) FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water spray. Carbon dioxide (CO₂). Foam. Dry chemical. Sand.

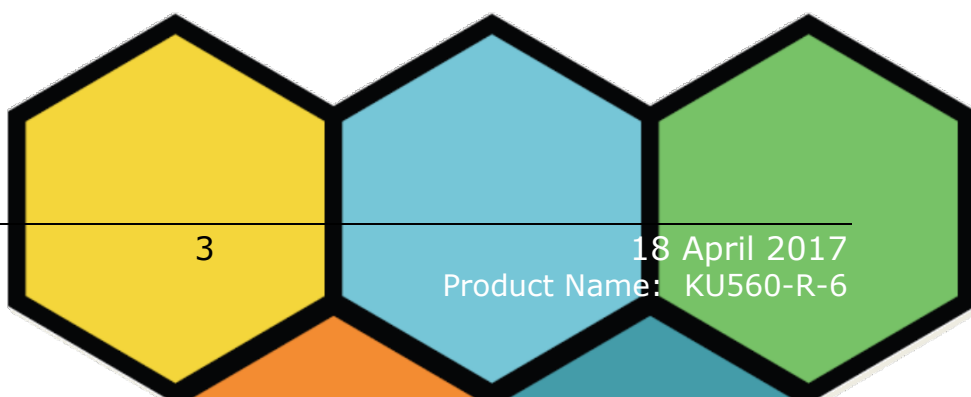
Suitable protective equipment for firefighters

Wear self-contained breathing apparatus and protective suit.

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ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective equipment.

Methods for cleaning up Soak up with inert absorbent material.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

See section 12 for further information

6) HANDLING AND STORAGE

Handling Avoid contact with skin, eyes, and clothing. Wear personal protective equipment.

Storage Keep in a dry, cool, and well-ventilated place.

7) Exposure controls/personal protection

| Chemical Name | OSHA PEL | OSHA PEL Ceiling | ACGIH OEL (TWA) | ACGIH OEL (STEL) |
|---|----------|------------------|-----------------|------------------|
| N-(4-malimide-phenyl)-N'-methyl-DAOTA 1841395-07-0 | None | None | None | None |

Engineering measures

Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Person Protective equipment requirements are dependent on the users institution's risk assesment and are specific to the risk assesment for each laboratory where this material may be used.

Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment

Hand protection Impervious gloves

Eye protection Safety glasses with side-shields

Skin & Body protection Lightweight protective clothing

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

Prevent product from entering drains.

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8) PHYSICAL AND CHEMICAL PROPERTIES

General Information

| | |
|---------------------------------|--------------------------|
| Form | Solid |
| Appearance | No information available |
| Odour | No information available |
| Boiling point | No data available °C/°F |
| Melting point | No data available °C/°F |
| Flash point | No data available °C/°F |
| Autoignition temperature | No data available °C/°F |
| Oxidising properties | No information available |
| Water solubility | No data available |

9) STABILITY AND REACTIVITY

| | |
|---|--|
| Stability | Stable under normal conditions |
| Materials to avoid | No dangerous reaction known under the conditions of normal use |
| Hazardous decomposition products | None under normal use |
| Polymerisation | Hazardous polymerisation does not occur |

10) TOXICOLOGICAL INFORMATION

Acute Toxicity

| Chemical Name | LD50 Oral rat/mouse | LD50 Dermal rat/rabbit | LD50 Inhalation rat/mouse |
|---|------------------------|---------------------------|------------------------------|
| N-(4-malimide-phenyl)- N'-methyl-DAOTA 1841395-07-0 | No data available | No data available | No data available |

Principle Routes of Exposure/Potential Health Effects

| | |
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| Eyes | May cause irritation with susceptible persons |
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Specific effects

| | |
|-----------------------|---|
| Carcinogenic effects | none |
| Mutagenic effects | Substances which cause concern for man which the available information is not adequate for making a satisfactory assessment |
| Reproductive toxicity | non |
| Sensitisation | none |

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Target Organ Effects

No known effects under normal use conditions

11) ECOLOGICAL INFORMATION

Ecotoxicity effects No information available.
Mobility No information available.
Biodegradation Inherent biodegradable.
Bioaccumulation Does not bioaccumulate.

12) DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

13) TRANSPORT INFORMATION

IATA

Proper shipping name Not classified as dangerous in the meaning of transport regulations
Hazard class None
Subsidiary class None
Packing group None
UN No. None

14) Regulatory information

| Chemical name | TSCA |
|---|------|
| N-(4-malimide-phenyl)-N'-methyl-DAOTA 1841395-07-0 | - |

U.S. Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

U.S. State Regulations

| Chemical name | Massachusetts RTK | New Jersey RTK | Pennsylvania RTK | Illinois RTK | Rhode Island RTK |
|---|-------------------|----------------|------------------|--------------|------------------|
| N-(4-malimide-phenyl)-N'-methyl-DAOTA 1841395-07-0 | - | - | - | - | - |

California Proposition 65

This product does not contain chemicals listed under Proposition 65.

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WHMIS Hazard Class

D2B Toxic Materials

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

15) OTHER INFORMATION

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution.

Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

End of Safety Data Sheet

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