

Trade name: %21', 6998443 Version: 3 / US Date revised: 01.02.2018

Replaces Version: 2 / US Print date: 01.02.18

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid formation of aerosols. Provide good ventilation of working area (local exhaust ventilation if necessary). Observe the usual precautions for handling chemicals. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Provide solvent-resistant and impermeable floor.

Hints on storage assembly

Do not store together with foodstuffs.

Further information on storage conditions

Protect from heat and direct sunlight. Keep container tightly closed and dry in a cool, well-ventilated place. Keep locked up and out of the reach of children.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

General protective and hygiene measures

Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Storage of foodstuffs in work rooms is forbidden. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Short term: filter apparatus, Filter A

Hand protection

Chemical resistant gloves

Use Short-term hand contact

Appropriate Material nitrile

Material thickness >= 0,4 mm Breakthrough time > 480 min

Eye protection

Safety glasses with side protection shield; Face shield

Body protection

Clothing as usual in the chemical industry. Protective shoes

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form liquid
Colour colourless
Odour characteristic

Safety Data Sheet according to Appendix D, OSHA Hazard Communication Standard 29 CFR 1910:1200



Trade name: BONDIC 5998443 Version: 3 / US Date revised: 01.02.2018

Replaces Version: 2 / US Print date: 01.02.18

Odour threshold

Remarks not determined

pH value

Remarks not determined

Melting point

Remarks not determined

Freezing point

Remarks not determined

Initial boiling point and boiling range

Remarks not determined

Flash point

Value > 100 °C

Evaporation rate (ether = 1):

Remarks not determined

Flammability (solid, gas)

not determined

Upper/lower flammability or explosive limits

Remarks not determined

Vapour pressure

Remarks not determined

Vapour density

Remarks not determined

Density

Value appr. 1,1 g/cm³

Solubility in water

Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient: n-octanol/water

Remarks not determined

Ignition temperature

Remarks not determined

Decomposition temperature

Remarks not determined

Viscosity dynamic

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

9.2. Other information

Other information

None known

SECTION 10: Stability and reactivity



Replaces Version: 2 / US Print date: 01.02.18

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

Decomposition temperature

Remarks not determined

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Toxic gases/vapours, Irritant gases/vapours

SECTION 11: Toxicological information

11.1. Information on toxicological effects

National Toxicology Program (NTP)

Components: 1,4-Dihydroxybenzene

International Agency for research on Cancer (IARC)

Components: 1,4-Dihydroxybenzene

Acute oral toxicity

ATE 3.636,05 mg/kg

32

Method calculated value according to GHS (e.g see UN GHS)

Acute oral toxicity (Components)

1-Vinylhexahydro-2H-azepin-2-one

Species rat

LD50 1860 mg/kg

1-Vinylhexahydro-2H-azepin-2-one

Species rat

LD50 1114 mg/kg

2-Hydroxy-2-methylpropiophenone

Species rat

LD50 1694 mg/kg

Acute dermal toxicity

Species

Remarks not determined

Acute dermal toxicity (Components)

1-Vinylhexahydro-2H-azepin-2-one

LD50 > 2000 mg/kg

2-Hydroxy-2-methylpropiophenone

Species rat

LD50 6929 mg/kg

Acute inhalational toxicity

Remarks not determined

Acute inhalative toxicity (Components)



Replaces Version: 2 / US Print date: 01.02.18

1-Vinylhexahydro-2H-azepin-2-one

Species rat

LC50 > 1,6 mg/l

Duration of exposure 8 h

Skin corrosion/irritation

Remarks not determined

Serious eye damage/irritation

Remarks not determined

Sensitization

Remarks not determined

Sensitization (Components)

1-Vinylhexahydro-2H-azepin-2-one

Route of exposure dermal Species mouse evaluation sensitizing

2-Hydroxy-2-methylpropiophenone

Route of exposure dermal
Species guinea pig
evaluation non-sensitizing

Subacute, subchronic, chronic toxicity

Remarks not determined

Mutagenicity

Remarks not determined

Reproductive toxicity

Remarks not determined

Carcinogenicity

Remarks not determined

Specific Target Organ Toxicity (STOT)

Remarks not determined

Experience in practice

Inhalation may lead to irritation of the respiratory tract.

Other information

No toxicological data are available.

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

1-Vinylhexahydro-2H-azepin-2-one

Species zebra fish (Brachydanio rerio)

LC50 318 mg/l

Duration of exposure 96 h

2-Hydroxy-2-methylpropiophenone

Species golden orfe (Leuciscus idus)

LC50 160 mg/l

Duration of exposure 48 h

Daphnia toxicity (Components)



Replaces Version: 2 / US Print date: 01.02.18

1-Vinylhexahydro-2H-azepin-2-one

Species Daphnia magna

EC50 > 100 mg/l

Duration of exposure 48 h

2-Hydroxy-2-methylpropiophenone

Species Daphnia magna

EC50 > 119 mg/l

Duration of exposure 48 h

Algae toxicity (Components)

1-Vinylhexahydro-2H-azepin-2-one

Species Scenedesmus subspicatus

EC50 > 100 mg/l

Duration of exposure 72 h

2-Hydroxy-2-methylpropiophenone

Species Scenedesmus subspicatus

EC50 1,95 mg/l

Duration of exposure 72 h

2-Hydroxy-2-methylpropiophenone

Species Scenedesmus subspicatus

EC10 0,629 mg/l

Duration of exposure 72 h

Bacteria toxicity (Components)

1-Vinylhexahydro-2H-azepin-2-one

Species activated sludge

EC50 622 mg/l

Duration of exposure 16 h

12.2. Persistence and degradability

General information

not determined

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient: n-octanol/water

Remarks not determined

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

General information

not determined

12.6. Other adverse effects

General information

not determined

General information / ecology

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

SECTION 13: Disposal considerations



Replaces Version: 2 / US Print date: 01.02.18

13.1. Waste treatment methods

Disposal recommendations for the product

Dispose of waste according to applicable legislation.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information ***

Ground transport DOT ***

Non-dangerous goods

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information

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

Other information

All components are contained in the TSCA inventory or exempted.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302Extremely Hazardous Substance (40 CFR 355)

Components: 1,4-Dihydroxybenzene

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

Components: 1,4-Dihydroxybenzene

Clean Water Act (CWA) Section 307 Toxic Pollutants (40 CFR 401.15)

The product does not contain any listed components.

Clean Water Act (CWA) Section 311 Toxic Pollutants (40 CFR 116.4)

The product does not contain any listed components.

Clean Air Act (CAA) Section 112 Regulated Toxic Substances And Threshold Quantities For Accidental Release Prevention (40 CFR 68.130 Table 1+2)

Components: 1,4-Dihydroxybenzene

Clean Air Act (CAA) Section 112 Regulated Flammable Substances And Threshold Quantities For Accidental Release Prevention (40 CFR 68.130 Table 3+4)

The product does not contain any listed components.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

Warning! This product may contain trace quantities of substance(s) known to the state of California to cause cancer and/or reproductive toxicity - not added as a part of the formulation but remaining as residuals from the manufacturing process of our raw material suppliers.

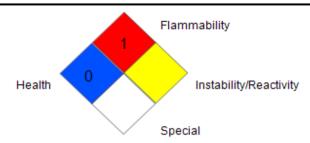
NFPA Rating Information

Safety Data Sheet according to Appendix D, OSHA Hazard Communication Standard 29 CFR 1910:1200



Trade name: BONDIC 5998443 Version: 3 / US Date revised: 01.02.2018

Replaces Version: 2 / US Print date: 01.02.18



HMIS® Rating Information



SECTION 16: Other information

Department issuing safety data sheet

Department product safety

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: *** This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.