



# Akardite II

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

### 1.1 Product identifier

Product name: Akardite II  
CAS Number: 13114-72-2  
EC Number: 236-039-7

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

Identified use: Laboratory chemicals, manufacture of substances

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

Company name: East Harbour Group Ltd  
20 Clough Road, Severalls Industrial Park  
Colchester, Essex, CO4 9QS  
United Kingdom

Telephone: +44 (0) 333 242 0100  
Email: [info@eastharbourgroup.com](mailto:info@eastharbourgroup.com)

### 1.4 Emergency telephone number

Emergency telephone: 0800 246 1274

## Section 2: Hazardous identification

### 2.1 Classification of the substance or mixture

Precautionary statements:

Observe good industrial hygiene practices.  
Get medical advice/attention if you feel unwell.  
Store in a closed container.  
Dispose of waste and residues in accordance with authority requirements.

### 2.2 Label elements

No symbol

## Section 3: Composition/information on ingredients

### 3.2 Mixtures

CAS #	Content (W/W)	Ingredients
13114-72-2	99%	Akardite II

Chemical name: Akardite II

Common name / synonyms: 3-methyl-1, 1-diphenylurea



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### Section 4: First aid measures

#### 4.1 Description of first aid measures

In case of skin contact: Rinse with water. Get medical attention promptly if symptoms persist or occur after washing.

In case of eye contact: Do not rub eyes. Immediately flush eye(s) with plenty of water. Remove any contact lenses and open eyelids wide apart. Get medical attention if irritation persists after washing.

If swallowed: Rinse mouth thoroughly. Get medical attention if any discomfort occurs. Only induce vomiting at the instruction of medical personnel.

If inhaled: Move injured person into fresh air and keep person calm under observation. Get medical attention if any discomfort continues.

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

Dusts may irritate the respiratory tract, skin and eyes

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

Treat symptomatically

### Section 5: Fire-fighting measures

#### 5.1 Fire Fighting Media and Instructions:

Suitable extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog

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

During fire, gases hazardous to health may be formed.

#### 5.3 Advice for firefighters

Self-contained breathing apparatus, operated in positive pressure mode and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

### Section 6: Accidental release measures

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

Avoid inhalation of dust. Avoid prolonged and repeated contact. Wear suitable protective clothing, gloves and eye/face protection. Keep unnecessary personnel away.

#### 6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses.

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

Avoid dust formation. Collect and dispose of spillage.



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### Section 7: Handling and storage

#### 7.1 Precautions for safe handling

All handling to take place in well-ventilated area. Avoid inhalation of dust. Avoid prolonged and repeated contact. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

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

Provide adequate ventilation. Store in closed original container in a dry place. Keep tightly closed. Store away from incompatible materials.

### Section 8: Exposure controls/personal protection

#### 8.1 Control parameters

No biological exposure limits noted for the ingredients. Mechanical ventilation or local exhaust ventilation is required.

#### 8.2 Exposure controls

No exposure limits noted for ingredients.

#### 8.3 Personal protective equipment

Eye/face protection: Wear approved chemical safety goggles.

Skin protection: Wear protective gloves. Suitable gloves can be recommended by the glove supplier. Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear appropriate thermal protective clothing, when necessary.

Respiratory protection: In case of inadequate ventilation or risk of inhalation of dust, use a suitable NIOSH approved respirator with an appropriate particulate filter.

General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### Section 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	White to off white
<b>Physical State</b>	Solid, crystalline powder
<b>Odor</b>	Odourless
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting Point/Range</b>	341.6 – 345.2 F (172 – 174 C)



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<b>Boiling Point/Range</b>	No data available
<b>Flash Point</b>	No data available
<b>Evaporation Rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Explosion Limits</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Specific Gravity / Density</b>	No data available
<b>Bulk Density</b>	No data available
<b>Water Solubility</b>	No data available
<b>Solubility in other solvents</b>	No data available
<b>Partition Coefficient</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available

## Section 10: Stability and Reactivity

<b>10.1 Reactivity</b>	Stable at normal conditions.
<b>10.2 Chemical Stability</b>	Material is stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	Will not occur.
<b>10.4 Conditions to avoid</b>	Excessive heat.
<b>10.5 Incompatible materials</b>	Strong oxidising agents.
<b>10.6 Hazardous decomposition products</b>	During combustion: Carbon monoxide. Carbon monoxide. Nitrogen oxides.

## Section 11: Toxicological Information

### Product Information

#### 11.1 Toxicological effects:

Information on likely routes of exposure:

Ingestion: May cause discomfort if swallowed

Inhalation: Dusty may irritate respiratory system

Skin contact: Dust may irritate skin

Eye contact: Dust in the eyes will cause irritation

Symptoms related to the physical, chemical and toxicological characteristics: Irritation

Information on toxicological effects:

Acute toxicity: May cause discomfort if swallowed

Skin corrosion/irritation: No information available

Serious eye damage/eye irritation: No information available



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Respiratory sensitisation: No information available  
Skin sensitisation: No information available  
Germ cell mutagenicity: No information available  
Carcinogenicity: No information available  
Reproductive toxicity: No information available  
Specific target organ toxicity – single exposure: No information available  
Specific target organ exposure – repeated exposure: No information available  
Aspiration hazard: No information available

### Section 12: Ecological Information

#### 12.1 Toxicity

##### Ecotoxicity effects

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability: No information available  
Bio accumulative potential: No information available  
Mobility in soil: No information available

### Section 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Waste disposal of substance:

Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Avoid discharge into water courses or onto the ground.

##### Container disposal:

Since emptied containers retain product residue, follow label warnings even after container is emptied.

### Section 14: Transport Information

DOT: Not dangerous goods  
IMDG: Not dangerous goods  
IATA: Not dangerous goods

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.



## Akardite II

### Section 15: Regulatory Information

**SARA:**

Hazard categories

Immediate hazard – no

Delayed hazard – no

Fire hazard – no

Pressure hazard – no

Reactivity hazard – no

SARA 302 Extremely hazardous substance – no

SARA 311/312 Hazardous chemical - no

