

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

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

Appearance

White to off white

Physical State

Solid, crystalline powder

Odor

Odourless

Odor Threshold

No data available

pH

No data available

Melting Point/Range

341.6 – 345.2 F (172 – 174 C)

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

Section 10: Stability and Reactivity

10.1 Reactivity	Stable at normal conditions.
10.2 Chemical Stability	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions	Will not occur.
10.4 Conditions to avoid	Excessive heat.
10.5 Incompatible materials	Strong oxidising agents.
10.6 Hazardous decomposition products	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.

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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