

Camlab Limited – Material Safety Data Sheet


1. Identification

Product Code CC/3232-AO

Product Name **PLATINISED KAOWOOL**

CAS Number **Mixture**

Supplier: **CAMLAB LIMITED**



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(Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Platinum compounds [as Pt]	16921-30-5	240-979-3	5.0%	R25,R37,R41,R42/43	WEL

3. Hazards Identification

Not considered harmful

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION URGENTLY.

Skin Thoroughly wash off skin with soap and water. Remove contaminated clothing immediately avoiding contamination of unaffected areas. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure. Keep warm and at rest. If there is difficulty in breathing give oxygen if available. OBTAIN MEDICAL ATTENTION URGENTLY.

Ingestion If conscious wash out mouth thoroughly with water and give water or milk to drink. Do not induce vomiting. OBTAIN MEDICAL ATTENTION URGENTLY.

5. Fire Fighting Measures

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire. The residue left after a fire may have catalytic properties and promote re-ignition of flammables.

Extinguishing Media Consider what other flammable materials are present and act accordingly.

Unsuitable Media Nothing specified.

6. Accidental Release Measures

Personal Protection	Evacuate area immediately. Only re-enter area with full protective clothing and breathing apparatus.
Environmental	Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.
Major Spillage	Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer to sealable container for disposal. Carry out this operation under fume extraction. Wash area down with copious amounts of water.
Minor Spillage	Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer to sealable container for disposal. Carry out this operation under fume extraction. Wash area down with copious amounts of water.

7. Storage & Handling

Handling Precautions	Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing. Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits.
Storage Conditions	Well ventilated, cool, dry storage .

8.1 Workplace Exposure Limits

Component	CAS No	Workplace Exposure Limits				Maximum Exposure Limits			
		Long Term		Short Term		Long Term		Short Term	
		ppm	mg m ⁻³	ppm	mg m ⁻³	ppm	mg m ⁻³	ppm	mg m ⁻³
Platinum compounds [as Pt]	16921-30-5	-	0.0020	-	-	-	0.0020	-	-

Special Hazards Capable of causing respiratory sensitisation.

8.2 Personal Protection

Respiratory	Use L.E.V. or natural ventilation to maintain dust concentrations below exposure limits.
Hands	Wear gloves.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

9. Physical & Chemical Properties

Appearance	Grey fibrous solid.
Odour	Odourless.
pH	Not available
Boiling point	Not available
Melting point	250.0 °C
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	No.
Oxidising Properties	No.
Vapour Pressure	Not available
Relative Density	3.4990 °C
Water Solubility	.5%

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Avoid ingress of water and contact with acids.
Materials to Avoid	No specific materials to avoid.

10. Stability & Reactivity (continued)

Hazardous May produce hazardous fumes if involved in a fire.
Decomposition Products

11. Toxicological Information

Eyes The solid and solutions are extremely irritating to eyes and can cause chemical eye burns.

Skin The solid and solutions are irritating to the skin. A potent skin sensitiser.

LD50 Skin Not available

Ingest Toxic if swallowed.

LD50 Ingest Oral Rat 195mg/Kg

Inhalation Inhalation of dust will produce severe irritation of the eyes, nose, throat and respiratory tract. A respiratory sensitiser.

Carcinogenicity No information is available but unlikely to be a carcinogen.

Mutagenicity A mutagen.

Reproductive Effects None identified.

Other Information Highly allergenic and will cause Type 1 sensitisation in susceptible individuals. Anyone with a history of allergic diseases, eg asthma, hay-fever should not work with platinum salts. Once sensitised exposure to extremely low levels of platinum salts will cause severe allergic reactions eg. itchy red eyes, sneezing, running nose, chest tightness and breathlessness.

12. Ecological

The reproduction of daphnids is impaired (16%) by 0,014 ppm Pt in 3 weeks. Hydrogen hexachloroplatinate is reported to be lethal to certain freshwater species. The complex may persist for some time in the environment.

13. Disposal Considerations

Disposal Methods Treat with reducing agent then collect residues in sealable container and dispose of as special waste, larger amounts may possibly be returned to manufacturer for recovery of precious metal.

Contaminated Packaging Use a licensed waste disposer.

14. Transport Information

Proper Shipping Name Non-restricted
UN Number Non-restricted
UN Classification None
Subsidiary Risk None
Flash Point Not available
Packing Group None
Transport Category None
Marine pollutant No
ADR Hazard ID Non-restricted

15. Regulatory Information

Labelling None
Classification

Label Symbols None

Risk & safety Phrases Keep away from flammable liquids. Do not breath dust.

EEC Number Not available

16. Other Information

Document Information This document has been prepared in accordance with directive 88/379/EEC.

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

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