

# Camlab Limited – Material Safety Data Sheet

## 1. Identification


Product Code CC/0838-BO

Product Name **AMMONIUM METAVANADATE pure**

Molecular Formula **NH<sub>4</sub>VO<sub>3</sub> =116.98**

CAS Number **7803-55-6**

Supplier: **CAMLAB LIMITED**

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England  
CB4 5WE**

Phone **01954 233110**

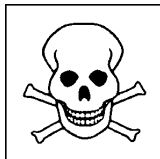
Fax **01954 233101**

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**24hr 112**  
**(Have this document to hand)**

## 2. Composition

| Component             | CAS No    | EEC No    | Conc w/w | Classification & Risk Phrases | Exp (See 8.1) |
|-----------------------|-----------|-----------|----------|-------------------------------|---------------|
| Ammonium metavanadate | 7803-55-6 | 232-261-3 | > 99.8%  | T : R23/24/25,R36/37,R40,R41  | N/A           |

## 3. Hazards Identification



Toxic by inhalation, in contact with skin and if swallowed. Irritating to eyes and respiratory system. Limited evidence of carcinogenic effect. Risk of serious damage to eyes.

## 4. First Aid Measures

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

Skin If calcium gluconate gel is available immediately rub into all affected areas and massage until pain goes. If not wash with soap and water for 30 minutes. OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation. OBTAIN MEDICAL ATTENTION.

Ingestion If conscious give plenty of water to drink. Keep warm and at rest. 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.

Extinguishing Media Water spray.

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      | Shovel/sweep up into container for removal Cover area of spill with calcium hydroxide then wash to drain with copious amounts of water.                              |
| Minor Spillage      | Cover area of spill with calcium hydroxide then wash to drain 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.<br><br>Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum. |
| Storage Conditions   | Well ventilated, cool, dry storage .  |

## 8.1 Workplace Exposure Limits

No prescribed exposure limits available

## 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            | Fine dry white powder. |
| Odour                 | Odourless.             |
| pH                    | Not available          |
| Boiling point         | Not available          |
| Melting point         | 70.0 °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       | Negligible             |
| Relative Density      | 2.3000 °C              |
| Water Solubility      | 7%                     |

## 10. Stability & Reactivity

|                                  |  |
|----------------------------------|--|
| Chemical Stability               | Stable under normal conditions                     |
| Conditions to Avoid              | Avoid ingress of water and contact with acids.     |
| Materials to Avoid               | Acids.   |
| Hazardous Decomposition Products | May produce hazardous fumes if involved in a fire. |

## 11. Toxicological Information

|                      |  |
|----------------------|--|
| Eyes                 | Risk of serious damage to eyes. The solid and solutions will produce conjunctival irritation and corneal damage. |
| Skin                 | Toxic in contact with skin.  |
| LD50 Skin            | Not available  |
| Ingest               | Toxic if swallowed.  |
| LD50 Ingest          | Oral Rat 160mg/Kg  |
| Inhalation           | Inhalation of the dust can result in symptoms similar to those due to ingestion.                                 |
| Carcinogenicity      | No information is available but unlikely to be a carcinogen.   |
| Mutagenicity         | No information is available.   |
| Reproductive Effects | None identified.   |

## 12. Ecological

Small amounts present no specific environmental hazard.

## 13. Disposal Considerations

|                        |  |
|------------------------|--|
| Disposal Methods       | Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations. |
| Contaminated Packaging | Use a licensed waste disposer.   |

## 14. Transport Information

|                      |                       |
|----------------------|-----------------------|
| Proper Shipping Name | Ammonium Metavanadate |
| UN Number            | 2859                  |
| UN Classification    | 6.1 Toxic             |
| Subsidiary Risk      | None                  |
| Flash Point          | Not available         |
| Packing Group        | II                    |
| Transport Category   | 2                     |
| Marine pollutant     | No                    |
| ADR Hazard ID        | 60                    |

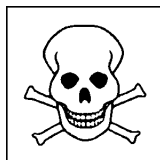


## 15. Regulatory Information

|                |        |
|----------------|--------|
| Labelling      | Toxic. |
| Classification |        |

Label Symbols

T



|                       |   |
|-----------------------|---|
| Risk & safety Phrases | Toxic by inhalation, in contact with skin and if swallowed. Irritating to eyes and respiratory system. Limited evidence of carcinogenic effect. Risk of serious damage to eyes. In case of accident or if you feel unwell, seek medical advice immediately (show the label). In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. After contact with skin, wash immediately with plenty of water. |
| EEC Number            | 232-261-3   |

## 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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