



LABORATORY CHEMICALS AND CONSUMABLES

MATERIAL SAFETY DATA SHEET

NIObIUM AA STANDARD

1. Chemical Product and Company information.

Product name: Niobium AA Standard

Contact Information:

Radchem cc
PO Box 166982
Brackendowns
Alberton 1454
Telephone : **011 867 3726 / 2864**

2. Hazard Identification

Slightly hazardous in case of skin contact (corrosive, irritant), of eye contact (irritant), of ingestion, . Non-irritant for lungs.

3. Composition / information on ingredients

CAS #: Mixture

Synonym:

Chemical Name: Not applicable

Chemical Formula: Not applicable

4. First Aid Measures

Eye Contact: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.

Skin Contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.

Serious Skin Contact: Not available

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available



Ingestion: Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

5. Fire-fighting measures

Flammability of the Product: Non-flammable

Fire Hazards in Presence of Various Substances: Not applicable

Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable

Special Remarks on Fire Hazards: Not available

Special Remarks on Explosion Hazards: Not applicable

6. Accidental release measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

7. Handling and storage

Precautions: Avoid contact with skin Never add water to this product Wear suitable protective clothing If you feel unwell, seek medical attention and show the label when possible. Keep container tightly closed and dry.

Storage: No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

8. Exposure controls/personal protection

Engineering Controls: No special ventilation requirements

Personal Protection: Safety glasses. Lab coat. Gloves.

Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

9. Physical and chemical properties

Physical state and appearance: Not available

Odour: Not available

Taste: Not available

Colour: Not available

Odour Threshold: Not available

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water

Solubility: Easily soluble in cold water, hot water



<p>Boiling Point: Not available</p> <p>Melting Point: Not available</p> <p>Critical Temperature: Not available</p> <p>Specific Gravity: The only known value is 1 (Water = 1) (Water)</p> <p>Vapour Density: Not available</p> <p>Volatility: Not available</p>	
<p><u>10. Stability and reactivity</u></p> <p>Stability: The product is stable.</p> <p>Instability Temperature: Not available.</p> <p>Conditions of Instability: Not available</p> <p>Incompatibility with various substances: Non-reactive with metals, alkalis.</p> <p>Corrosivity: Slightly corrosive to corrosive in presence of zinc. Non-corrosive in presence of glass, of steel, of aluminium</p> <p>Special Remarks on Reactivity: Not available</p> <p>Special Remarks on Corrosivity: Not available</p> <p>Polymerization: Will not occur.</p>	
<p><u>11. Toxicological information</u></p> <p>Routes of Entry: Not available</p> <p>Toxicity to Animals: LD50: Not available. LC50: Not available</p> <p>Chronic Effects on Humans: The substance is toxic to lungs, mucous membranes</p> <p>Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (corrosive, irritant), of ingestion. Non-irritant for lungs.</p> <p>Special Remarks on Toxicity to Animals: Not available</p> <p>Special Remarks on Chronic Effects on Humans: Not available</p> <p>Special Remarks on other Toxic Effects on Humans: Not available</p>	
<p><u>12. Ecological information</u></p> <p>Ecotoxicity: Not available</p> <p>BOD5 and COD: Not available</p> <p>Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise</p>	



Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available

13. Disposal considerations

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

DOT Classification: Not a DOT controlled material

Identification: : Not applicable

Special Provisions for Transport: Not applicable

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Radchem CC. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Radchem CC has been advised of the possibility of such damages.

