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MATERIAL SAFETY DATA SHEET (MSDS)**SODIUM TUNGSTATE LR (DIHYDRATE)****1. Product Identification**

Synonyms: SODIUM WOLFRAMATE

CAS No.: 10213-10-2

Product Coad: S0193500500

Molecular Weight: 329.86

Chemical Formula: Na₂WO₄ 2H₂O

2. Composition/Information on Ingredients

| Ingredient | CAS No | Percent |
|------------------|------------|-----------|
| Sodium Tungstate | 10213-10-2 | 90 - 100% |

3. Hazards Identification

Route Of Entry Inds - Inhalation: NO Skin: NO Ingestion: NO

Carcinogenicity Inds - NTP: NO IARC: NO OSHA: NO

Health Hazards Acute And Chronic: INHAL/SKIN ABSORP/INGEST/CHRONIC: NONE IDENTIFIED. SKIN/EYE: IRRITATION.

Explanation of Carcinogenicity: NOT RELEVANT

Signs and Symptoms of Overexposure: SEE HEALTH HAZARDS.

Medical Conditions Aggravated by Overexposure: NONE IDENTIFIED.

4. First Aid Measures

INGEST: IF SWALLOWED AND THE PERSON IS CONSCIOUS, IMMEDIATELY GIVE LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. INHAL: IF PERSON BREATHES IN LARGE AMOUNTS, MOVE THE EXPOSED PERSON TO FRESH AIR. SKIN: IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH PLENTY OF SOAP AND WATER FOR AT LEAST 15 MIN. EYE: IN CASE OF EYE CONTACT: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MIN.

5. Fire Fighting Measures

Flash Point Text: NOT APPLICABLE

Auto Ignition Temperature Text:

Lower Limits: N/A Upper Limits: N/A

Extinguishing Media: USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures: NONE IDENTIFIED. WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard: NONE IDENTIFIED.

6. Accidental Release Measures

Spill Release Procedures: WEAR SUITABLE PROTECTIVE CLOTHING. CAREFULLY SWEEP UP AND REMOVE.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

7. Handling and Storage

KEEP CONTAINER TIGHTLY CLOSED. SUITABLE FOR ANY GENERAL CHEMICAL STORAGE AREA.

8. Exposure Controls/Personal Protection

Respiratory Protection: NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A NIOSH/MSHA APPROVED DUST/MIST RESPIRATOR IS RECOMMENDED. IF CONCENTRATION EXCEEDS CAPACITY OF RESPIRATOR, A NIOSH/MSHA APPROVED SCBA IS ADVISED.

Ventilation: USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: CHEMICAL WORKERS GOGGLES (FP N).

Other Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety & Health: NONE SPECIFIED BY MANUFACTURER.

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MATERIAL SAFETY DATA SHEET (MSDS)**SODIUM TUNGSTATE LR (DIHYDRATE)****9. Physical and Chemical Properties**

Boiling Point: N/A
Melting/Freezing Point: 1288F,698C
Specific Gravity: 3.24
PH: N/A
Viscosity: N/P
Solubility in Water: APPRECIABLE (>10%)
Appearance and Odor: COLORLESS SOLID, WHITE CRYSTALS. ODORLESS.

10. Stability and Reactivity

Stability Indicator: YES
Stability Conditions to Avoid: NONE DOCUMENTED
Materials to Avoid: NONE IDENTIFIED.
Hazardous Decomposition Products: NONE IDENTIFIED
Hazardous Polymerization Products: NO
Conditions to Avoid Polymerization: NOT RELEVANT

11. Toxicological Information

N/A

12. Ecological Information

Environmental Fate: No information found.
Environmental Toxicity: No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

NON HAZARDOUS FOR AIR, ROAD AND SEA TRANSPORT

15. Regulatory Information

SARA Title III: N/A
Federal Regulatory: N/A

16. Other Information

NFPA Ratings: Health: **2** Flammability: **0** Reactivity: **0**

Label Hazard Warning: WARNING! HARMFUL IF INHALED. MAY BE HARMFUL IF SWALLOWED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.

Label Precautions: Avoid contact with eyes, skin and clothing. Avoid breathing dust. Keep container closed. Heat will contribute to instability. Use only with adequate ventilation. Wash thoroughly after handling.

Label First Aid: If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. In all cases, get medical attention. **Product Use:** Laboratory Reagent.

MATERIAL SAFETY DATA SHEET (MSDS)

SODIUM TUNGSTATE LR (DIHYDRATE)

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

DISCLAIMER:

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
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