

Safety Data Sheet

Date Effective: March 12, 2018

SPI Catalog # 02541-AB

SPI-Chem™ Sodium Tungstate

SPI Supplies Division

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Manufacturer's CAGE: 1P573

Section 1.1: Identification

Chemical Name/Synonyms Sodium Tungstate dihydrate

Product or Trade Name SPI-Chem™ Sodium Tungstate

CAS #'s 10213-10-2

Chemical Formula..... Na₂WO₄·2H₂O

Section 1.2: Relevant Uses/Restrictions

Chemical stain for microscopy.

Section 1.3: Supplier of the Safety Data Sheet

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Section 1.4: Emergency telephone number

Emergencies

Contacting CHEMTREC:

24 Hour Emergency Use Only #'s...

Worldwide phone: 1-(703)-741-5970

Toll-free phone: 1-(800)-424-9300 USA + Canada only

Section 2: Hazard Identification

2.1 Classification of the substance

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity (category 4)

2.2 Label elements

Pictogram



Signal Word: Warning

Hazard statements:

H302 Harmful if swallowed

Precautionary statements:

P264 Wash thoroughly after handling.

P270 Do not eat, drink, or smoke when using this product.

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other Hazards: No additional information available.

Hazardous Material Information System USA

Health 1

Fire Hazard 0

Reactivity 0

Personal Protection

NFPA Rating (estimated)

Health 1

Flammability..... 0

Reactivity 0

Section 3: Composition

3.1 Substances:

Sodium Tungstate dehydrate CAS No. 10213-10-2 EC No. 236-743-4 90-100 wt. percent

Section 4: First Aid Measures

4.1 Description of first aid measures:

Inhalation:

Supply fresh air; consult doctor in case of complaints.

Skin Contact:

Generally the product does not irritate the skin.

Eye Contact:

Flush eyes with running water as a precaution.

Ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water. If symptoms persist, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed:

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

Section 5: Fire Fighting Measures**5.1 Extinguishing media:**

CO₂, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture:

No further relevant information available.

5.3 Advice for firefighters:

Special protective equipment and precautions for firefighters: No special measures required.

Section 6: Accidental Release Measures**6.1 Personal precautions:**

Use personal protective equipment.
Avoid dust formation.
Avoid breathing vapors, mist, or gas.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
Avoid breathing dust.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.
Dispose of contaminated material as waste, according to Section 13.

6.4 Reference to other sections:

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

Section 7: Handling and Storage**7.1 Precautions for safe handling:****Protective measures:**

Avoid direct contact with skin.
Use protective clothing including gloves, lab coat, face/eye protection.

Advice on general hygiene conditions:

Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities:

Store between 15-30 °C.
No special requirements.

7.3 Specific end uses:

Chemical stain for microscopy.

This material is not being offered for clinical or diagnostic applications, agricultural uses or for human or animal consumption.

Section 8: Exposure Controls and Personal Protection

8.1 Control parameter and Personal Protection:

Workplace exposure limits: Not required.

Biological limit values: No information available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: No information available.

8.2.2 Individual protection measures:

Keep away from foodstuffs, beverages, and feed.

Wash hands before breaks and at the end of work.

Glove material which is impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material must be made on consideration of the penetration times, rates of diffusion, and the degradation. The selection of the suitable gloves does not depend only on the material, but also on further marks of quality which vary from manufacturer to manufacturer. The exact break through time has to be found out from the manufacturer of the protective gloves and has to be observed.

Breathing equipment: Not required.

Eye protection: Not required.

8.2.3 Environmental exposure controls:

Do not allow to enter sewers/ surface or ground water.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Appearance:

Form: powder

Color: indeterminate

Odor: indeterminate

Odor threshold: not determined

pH: not applicable

Melting point/Freezing point: not determined

Boiling point/Boiling point range: not determined

Flash Point: not applicable

Evaporation rate: not applicable
Flammability (solid, gas): product is not flammable
Upper/lower flammability or explosive limits: not applicable
Vapor Pressure: not applicable
Vapor density: not applicable
Relative density: not determined
Solubility: insoluble in water
Partition coefficient (n-octanol/water): not determined
Auto-ignition temperature: not determined
Decomposition temperature: not determined
Viscosity: not applicable
Explosive properties: not applicable
Oxidizing Properties: not applicable

9.2 Other information: No further relevant information available.

Section 10: Stability and Reactivity

10.1 Reactivity: No further relevant information available.
10.2 Chemical Stability: No further relevant information available.
10.3 Possibility of Hazardous Reactions: No dangerous reactions known.
10.4 Conditions to avoid: No further relevant information available.
10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products: No dangerous decomposition products known.

Section 11: Toxicological Information

Information on the likely routes of exposure:

11.1 Information on toxicological effects:

- A. Acute toxicity:** No relevant information available.
- B. Skin corrosion/irritation:** No irritant effect.
- C. Serious eye damage/irritation:** Irritant and potentially harmful.
- D. Respiratory or skin sensitization:** No sensitizing effect known.
- E. Germ cell mutagenicity:** No relevant information available.
- F. Carcinogenicity:**
 - IARC (International Agency for Research on Cancer): Substance is not listed.
 - NTP (National Toxicology Program): Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration): Substance is not listed.

- G. Reproductive toxicity:** No relevant information available.
- H. STOT-single exposure:** No relevant information available.
- I. STOT-repeated exposure:** No relevant information available.
- J. Aspiration hazard:** No relevant information available.

Section 12: Ecological Information

- 12.1 Toxicity:** No further relevant information available.
- 12.2 Persistence and degradability:** No further relevant information available.
- 12.3 Bio-accumulative potential:** No further relevant information available.
- 12.4 Mobility in soil:** No further relevant information available.
- 12.5 Results of PBT and vPvB assessment:** Not applicable.
- 12.6 Other adverse effects:** No further relevant information available.

Section 13: Disposal Considerations

13.1 Waste treatment methods:

Recommendation: Cannot be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Discard must be made according to official regulations.

Section 14: Transport Information

- DOT:** Not regulated .
- IATA:** Not regulated.
- IMDG:** Not regulated.

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture:

U.S. Government Regulations:

TSCA: CAS # 10213-10-2 is not listed on the TSCA Inventory List.

SARA 302: CAS # 10213-10-2 is not subject to the reporting requirements of SARA Section 302.

SARA 311/312 Hazards: Acute Health Hazard.

SARA Section 313 (Specific toxic chemical listings): CAS # 10213-10-2 is not listed.

SARA Section 355 (extremely hazardous substances): CAS # 10213-10-2 is not listed.

California Prop. 65: CAS # 10213-10-2 is not known to the State of California to cause cancer, birth defects, or any reproductive harm.

Carcinogenic categories:

- EPA (Environmental Protection Agency): CAS # 10213-10-2 is not listed.
- ACGIH TLV: CAS # 10213-10-2 is not listed.
- NIOSH-Ca: CAS # 10213-10-2 is not listed.

State Right-to-Know Components:

CAS # 10213-10-2 is on the Pennsylvania and New Jersey Right-to-Know components lists.

15.2 Chemical Safety Assessment: Has not been carried out.

Date of Preparation: 12 March 2017.

Abbreviations and acronyms

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

CMRG: Chemical Manufacturer's Recommended Guidelines

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bio-accumulative and Toxicological

vPvB: very Persistent and very Bio-accumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety Health

ATE: Acute Toxicity Estimates

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

STEL: Short Term Exposure Limit

CEIL: Ceiling

Section 16: Other Information

Disclaimer of Liability:

Caution! Do not use SPI Supplies products or materials in applications involving implantation within the body; direct or indirect contact with the blood pathway; contact with bone, tissue, tissue fluid, or blood; or prolonged contact with mucous membranes. Products offered by SPI Supplies are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. SPI Supplies will not provide to customers making devices for such applications any notice, certification, or information necessary for such medical device use required by US FDA (Food and Drug Administration) regulation or any other statute. SPI Supplies and Structure Probe, Inc. make no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues of fluids.

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