

# Molybdate Test Strips

**ReDiant**

## 1. SECTION

### IDENTIFICATION OF SUBSTANCE/ MIXTURE

#### Product identifier

##### 1.1 Substance/mixture identification:

ReDiant® Molybdate test strips, Molybdate strips

Other names (synonyms): MOL

##### 1.2 Relevant identified uses of the substance or mixture, and uses advised against

Product to be used for analytical purposes only  
There are no identified non-recommended uses.

##### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Jurby Water Tech Ltd.  
Address: Europos pr. 23, LT-46329, Kaunas  
Country: Lithuania  
Telephone: +370 37 421401, +370 37 421402, +370 37 421403  
e-mail: [chemical@jurby.com](mailto:chemical@jurby.com)

##### 1.4 Emergency telephone number

Poison Information and Control Bureau in the Republic of Lithuania (24/7): +370 (5) 2362052, +370 687 53378

## 2. SECTION

### HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

The product is not classified as hazardous according to GHS or OSHA regulations. The product is an "Article" as defined in the OSHA Hazard Communication Standard (29CFR 1910.1200(c), and therefore is outside the scope of the GHS standard and does not require an SDS. This SDS is provided for informational purposes only.

#### 2.2 Label elements

The product does not require labelling.  
The product does not require any hazard pictograms.  
The product does not require any signal word.

#### 2.3 Other risks: none

## 3. SECTION

### COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances or mixtures

Description: Mixture of substances listed below.

CAS No./ EC No.	Chemical identification	REACH No.	Conc. (% ww)	Index No.	Classification according to Regulation (EC) No. 1272/2008 ((EB)
9004-34-6/ 232-674-9	Cellulose	-	50-100	-	-
9002-86-2/ 618-338-8	PVC	-	5-10	-	-
-	Indicator dye(s)	-	< 1	-	-
-	Surfactants	-	< 1	-	-
-	Polymers	-	< 1	-	-
-	Buffers	-	< 1	-	-

Note: texts of hazard pictograms, hazard and precautionary statements are presented in sections 2 and 16.

## 4. SECTION

## FIRST AID MEASURES

### 4.1 Description of first aid measures

**General information: Adverse health effects are not reasonably expected from normal use of product.**

**After inhalation:** Unlikely route of exposure. Supply fresh air; consult with doctor in case of complaints.

**After eye contact:** Unlikely route of exposure. Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After skin irritation:** Immediately wash with water and soap. Rinse thoroughly. If skin irritation continues, consult a doctor.

**After swallowing:** May cause discomfort if ingested in large amounts. Contact medical help immediately. Do not induce vomiting unless directed to do so by a doctor.

**4.2 Most important symptoms and effects, both acute and delayed:** Adverse health effects are not reasonably expected from normal use of product.

**4.3 Indication of any immediate medical attention and special treatment needed:** Indications for management of overdose or pediatric ingestion only.

## 5. SECTION

## FIRE-FIGHTING MEASURES

**5.1 Extinguishing media:** Use fire extinguishing methods suitable to surrounding conditions.

**Unsuitable extinguishing media:** none

**5.2 Special hazards arising from the substance or mixture:** Formation of toxic gases is possible during heating or in case of fire

**5.3 Advice for firefighters:** wear self-contained breathing apparatus and protective suit.

**Protective equipment:** Wear self-contained respiratory protective device. Wear fully protective suit.

**Additional Information:** No further relevant information is available

---

## 6. SECTION

## ACCIDENTAL RELEASE MEASURES

---

**6.1 Personal precautions, protective equipment, and emergency procedures:** Not required

**6.2 Environmental precautions:** No special measures required.

**6.3 Methods and material for containment and cleaning up:** Pick up mechanically. Dispose contaminated material as waste according to item 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.

---

## 7. SECTION

## HANDLING AND STORAGE

---

**7.1 Precautions for safe handling:** Handle product in accordance to test instruction provided with product, if available. Store in a cool, dry place in tightly closed containers.

**7.2 Conditions for safe storage, including any incompatibilities:**

**Storage. Requirements to be met by storerooms and containers:** Protect from humidity and water. Avoid storage near extreme heat, ignition sources or open flame. Keep away from children.

**Information about storage in one common storage facility:** Keep product in original packages tightly closed during handling

**Further information about storage conditions:** No special requirements

**7.3 Specific end use(s):** No further relevant information available.

---

## 8. SECTION

## EXPOSURE CONTROLS/ PERSONAL PROTECTION

---

**Additional information about design of technical facilities:** no further data.

**8.1 Control parameters**

Not required.

**DNELs** No further relevant information available.

**PNECs** No further relevant information available.

**Additional information:** The lists valid during the making were used as basis

**8.2 Exposure controls**

**Engineering measures:** well-ventilated location.

**Personal protective equipment**

**General protective and hygienic measures:** The usual precautionary measures are to be taken when handling chemicals. Keep away from foodstuffs, beverages, and feed.

**Respiratory protection:** Not required under normal conditions of use.

**Protection of hands:** Gloves not required under normal conditions of use.

**Eye protection:** Not required under normal conditions of use.

**Body protection:** Not required under normal conditions of use.

**Limitation and supervision of exposure into the environment:** No special requirements.

**Risk management measures:** No special requirements.

---

## 9. SECTION

## PHYSICAL AND CHEMICAL PROPERTIES

---

### 9.1 Information on basic physical and chemical properties

#### General information

<b>Physical state (solid, liquid, gas):</b>	Test strip, liquid impregnated on inert carrier material
<b>Appearance (colour, odour):</b>	Product may have color.
<b>pH:</b>	Not applicable
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	Not determined
<b>Melting point:</b>	Not applicable
<b>Boiling point:</b>	Not applicable
<b>Flash point:</b>	Not applicable
<b>Auto/Self-ignition temperature:</b>	> 232 °C
<b>Decomposition temperature:</b>	Not determined
<b>Self-igniting:</b>	Not determined
<b>Danger of explosion:</b>	Product does not present an explosive hazard
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined
<b>Upper:</b>	Not determined
<b>Vapor Pressure:</b>	Not applicable
<b>Relative density:</b>	Not determined
<b>Vapor density:</b>	Not applicable
<b>Evaporation rate:</b>	Not applicable
<b>Solubility in/Miscible with water:</b>	chemicals in strip are soluble in water
<b>Partition coefficient:</b> (n-octanol/water)	Not determined
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable
<b>Kinematic:</b>	Not applicable

---

## 10. SECTION

## STABILITY AND REACTIVITY

---

### 10.1 Reactivity

### 10.2 Chemical stability

**Thermal decomposition/conditions to be avoided:** To avoid thermal decomposition do not overheat.

**10.3 Possibility of hazardous reactions:** None under normal operating conditions.

**10.4 Conditions to avoid:** Keep away from ignition sources do not smoke around product. Keep product stored in a cool, dry place

**10.5 Incompatible materials:** None under normal operating conditions

**10.6 Hazardous decomposition products:** None under normal operating conditions

## 11. SECTION

## TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

This information is valid for pure substances.

#### Acute toxicity:

Chemical identification	LD50 Oral	LD50 Dermal	LC50 Inhalation
Cellulose (CAS No. 9004-34-6)	> 5000 mg/kg	> 2000 mg/kg	> 5800 <sub>4h</sub> mg/m <sup>3</sup>

### 11.2 Primary irritant effect:

**On the skin:** Slight irritant effect on skin and mucous membranes.

**On the eye:** Slight irritant effect on eyes

**Sensitization:** No sensitizing effects known.

### 11.3 Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects based on our experience and information available. The substance is not subject to classification according to the latest version of the EU lists.

## 12. SECTION

## ECOLOGICAL INFORMATION

### 12.1 Toxicity

**Aquatic toxicity:** This product contains materials that are harmful to the environment.

**12.2 Persistence and degradability:** no data available.

**12.3 Bioaccumulative potential:** no data available.

**12.4 Mobility in soil:** completely soluble in water.

**12.5 Results of PBT&vPvB assessment:** not applicable

**12.6 Other adverse effects:** No further relevant information available.

## 13. SECTION

## DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:** Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. The user of this material has the responsibility to dispose of unused material, residues, and containers in compliance with all relevant local, state, and federal laws and regulations regarding treatment, storage, and disposal for hazardous and non-hazardous wastes. Residual materials should be treated as hazardous.

**Uncleaned packaging. Recommendation:** Disposal must be made according to official regulations.

---

## 14. SECTION

## TRANSPORT INFORMATION

---

### RID/ADR

- 14.1 UN number: -
- 14.2 UN proper shipping name: Molybdate test strips
- 14.3 Transport hazard class(es): -
- 14.4 Packaging group: -
- 14.5 Environmental hazards: no data.
- 14.6 Special precautions for user: see Section 8.

---

## 15. SECTION

## REGULATORY INFORMATION

---

### 15.1 General designations (laws):

The product is not classified as hazardous according to GHS or OSHA regulations. The product is an "Article" as defined in the OSHA Hazard Communication Standard (29CFR 1910.1200(c), and therefore is outside the scope of the GHS standard and does not require an SDS. No other regulatory information is available.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

---

## 16. SECTION

## OTHER INFORMATION

---

**Text of hazard and precautionary statements are presented in sections 2 and 3. Further information:**

**ADR** - International Carriage of Dangerous Goods by Road.

**RID** - International Carriage of Dangerous Goods by Rail.

**Updated on the basis Commission Regulation (EU) No. 878/2020.**

---

*This information is furnished without warranty of any kind, expressed or implied. It is intended solely to assist in evaluating the suitability and proper use of the product and in implementing safety precautions and procedures. Information contained herein may be combined with other information obtained by the User to determine the applicability of federal, state, and local laws and regulations. Users of the product should consider this information as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials.*