



## SECTION 1: Identification

### 1.1 Product Identifier

Product Name: **STAIN 77**

Product Code : 29-005050 / 29-005055

### 1.2 Relevant identified uses of the substance or mixture and uses not recommended

Identified uses : Laboratory chemical substances, staining of EM Samples

### 1.3 Information concerning the supplier of the safety data sheet

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E: [info@microtonano.com](mailto:info@microtonano.com)

### 1.4 Emergency call number

112 (NLD) or your national emergency telephone number for chemical spills, leaks, fires, exposures or accidents

## SECTION 2: Hazard identification

### 2.1 Classification of the substance or mixture:

Is not a hazardous substance or mixture in accordance with Regulation (EC) No. 1272/2008.

### 2.2 Labelling elements:

Is not a hazardous substance or mixture in accordance with Regulation (EC) No. 1272/2008.

### 2.3 Other hazards include:

This substance/mixture contains no ingredients considered to be persistent, bioaccumulative and toxic (PBT), or very persistent and very bio-accumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on components

### 3.1 Substances:

Not applicable



### 3.2 Mixtures:

Designation	CAS RN	EC number	% mass
Mixture of tungsten lithium salts	13568-45-1	236-978-2	<1
Distilled water	7732-18-5	231-791-2	> 99

## HEADING 4: First aid

### 4.1 Description of first aid

#### In case of inhalation

If inhaled, transport the person out of the contaminated area. In case of respiratory arrest, perform rescue breathing..

#### In case of skin contact

Wash immediately with plenty of soap and water and rinse well.

#### In case of contact with eyes

Rinse eyes as a precaution

#### If swallowed

Never make a unconscious person swallow anything. Rinse mouth with water.

### 4.2 Main symptoms and effects, acute and delayed

The main known symptoms and effects are described on the labelling (see section 2.2)

### 4.3 and/or Section 11 Indications of any immediate medical care and special treatment required

No other important information available

## HEADING 5: Fire-fighting measures

### 5.1 Means of extinction

Use suitable extinguishing means for local conditions and the environment near.

### 5.2 Specific hazards resulting from the substance or mixture

Lithium oxides, Tungsten oxide

### 5.3 Advice to firefighters

Wear self-contained breathing apparatus for firefighting, if necessary.

### 5.4 Additional Information

The product itself does not burn



## HEADING 6: Measures in the event of accidental dispersal

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Avoid breathing vapours, mists from  
Spraying or gas. For personal protective equipment, see section 8.

### 6.2 Precautions for the protection of the environment

Prevent product from entering sewers.

### 6.3 Containment and Cleaning Methods and Equipment

Sweep and remove with a shovel. Store in containers suitable and closed for  
the elimination.

### 6.4 Reference to other headings

For information on safe handling, refer to Chapter 7. For information on personal protective  
equipment, refer to Chapter 8. For disposal information, refer to Chapter 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for Safe Handling

Ensure proper ventilation/suction of the workstation.

#### Prevention of fires and explosions

No special measures are required

### 7.2 Conditions for safe storage, including possible incompatibilities

Store in a cool place. Keep the container tightly closed in a dry, well-ventilated place.

### 7.3 Specific End-Use(s)

Laboratory use

## SECTION 8: Exposure controls/ personal protection

### 8.1 Control Parameters

The product does not contain significant quantities of substances with threshold values to be  
monitored per workstation. This document is based on the lists in effect at the time of its  
development.

### 8.2 Exposure control

#### General protection and hygiene measures

Keep away from food, beverages and pet food. Remove soiled or dampened clothing immediately.  
Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

#### Personal protective measures, such as personal protective equipment

##### Eye and face protection

Safety glasses with side guards

##### Protection of the skin

Long sleeve clothing

Wear appropriate gloves. Take into account the information given by the supplier concerning  
permeability and penetration times, and the particular conditions of the workplace (mechanical  
constraints, contact time).

##### Respiratory protection



Respiratory protection is not required. Use masks for self protect against dust levels.

Thermal hazards

Nil

Environmental protection measures

Prevent product from entering sewers.

## HEADING 9: Physical and chemical properties

### 9.1 Information on essential physical and chemical properties

Appearance: Transparent

Physical condition: Liquid

Colour: Colourless

Odour: Characteristic

Olfactory threshold: data not available

pH: 7.6-8.2

Melting point: not determined

Boiling point/interval: not determined

Flash point: not applicable

Flammability (solid, gas): not determined

Decomposition temperature: not determined

Auto-flammability temperature: not determined

Explosive limit, upper: not determined

Explosive limit, lower: not determined

Vapour pressure at 20°C: not determined

Relative vapour density: not determined

Relative density: 3.71 gcm<sup>3</sup> at 25°C

Water solubility: not determined

Partition coefficient: noctanol/water: not determined



Viscosity, dynamic: not determined

Viscosity, kinematics: not determined

## 9.2 Other information

Void

## SECTION 10: Stability and reactivity

### 10.1 Responsiveness

None known (e) based on the information provided

### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of dangerous reaction

Hazardous polymerization: No information available.

Dangerous reactions: No information available

### 10.4 Conditions to be avoided

No other important information available

### 10.5 Incompatible Materials

Strong oxidants

### 10.6 Hazardous composition products

Dangerous decomposition products are formed in case of fire. - Lithium oxides,

Tungsten oxide

Other decomposition products - Data not available

In case of fire: see section 5

## HEADING 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity

Data not available

Skin corrosion/skin irritation

Data not available

Serious eye damage/eye irritation

Data not available

Respiratory or skin sensitization

Data not available

Germ cell mutagenicity

Data not available

Carcinogenicity

IARC: No components of this product present at concentrations greater than or equal to 0.1% has not been identified as a probable, possible carcinogen, or recognized for man by IARC.

Toxicity to reproduction



Data not available  
Specific target organ toxicity - single exposure  
Data not available  
Specific target organ toxicity - repeated exposure  
Data not available  
Hazard by suction  
Data not available  
Additional Information  
RTECS: data not available

## HEADING 12: Information and ecology

### 12.1 Toxicity

No other important information available.

### 12.2 Persistence and Degradability

No other important information available.

### 12.3 Bioaccumulation Potential

No other important information available.

### 12.4 Mobility in the ground

No other important information available.

#### Other ecological indications:

No known water pollution.

### 12.5 Results of PBT and vPvB assessments

Not applicable

### 12.6 Other adverse effects

No other important information available.

## HEADING 13: Disposal considerations

### 13.1 Waste Treatment Methods

#### Product

Must not be evacuated with household waste. Do not let into sewers.

#### Contaminated packaging

Empty the leftovers. Dispose of the product in accordance with local regulations. Do not reuse empty containers.

## HEADING 14: Transport information

14.1 UN Number  
ADR, ADN, IMDG, IATA

Void



**14.2 United Nations Shipping Name**  
ADR, ADN, IMDG, IATA

*Void*

**14.3 Transport Hazard Class(s)**  
ADR, ADN, IMDG, IATA  
Class

**14.4 Packing Group**  
ADR, IMDG, IATA

*Void*

**14.5 environmental hazards**

*Not applicable*

**14.6 Special precautions to be taken by the user**

*Not applicable*

**14.7 Bulk transport in accordance with Annex II of the MARPOL Convention and the IBC Code**

*Not applicable*

**UN "Model Regulation"**

*Void*

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific to the substance or mixture

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

### 15.2 Chemical Safety Assessment

Chemical Safety Assessment / Reporting (CSA / CSR) not completed

## SECTION 16: Other information

These indications are based on the current state of our knowledge, but do not guarantee the properties of the product and do not give rise to a contractual legal relationship. They do not claim to be exhaustive and should be considered as a guide

#### Acronyms and abbreviations:

ADR: European Agreement on the Transport of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances



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ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
End