



"Tailor made reagents"

CHEM-LAB NV  
Industriezone "De Arend" 2  
B-8210 ZEDELGEM - BELGIUM  
Tel.: (32)-50-288320  
Fax.: (32)-50-782654

## SAFETY DATA SHEET

### 1. Identification of the substance / preparation and company.

#### 1.1 Product identifier

Product Nr. CL01.0352  
Trade name Chromium standard solution 1000 µg/ml (Plasma HIQU)  
REACH Registration Number 01-2119454792-32  
CAS-No. 7778-50-9

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

Identified uses: Reagent for analysis  
In compliance with the conditions described in the annex to this safety data sheet.

#### 1.3 Information provided by CHEM-LAB NV product service.

Responsible department: CHEM-LAB NV  
Industriezone "De Arend" 2  
B-8210 Zedelgem  
BELGIUM  
Tel. +32 50 28 83 20  
Fax. +32 50 78 26 54  
e-mail: info@chem-lab.be

#### 1.4 Emergency telephone: 00 (32) 50.28.83.20

### 2. Hazard identification

#### 2.1 Classification of the substance or the mixture (EG 1272/2008)

For the full text of H-sentences mentioned in this Section, see Section 16

For the full text of R-sentences mentioned in this Section, see Section 16

#### 2.2 GHS-Labeling

This substance is not classified as dangerous according to European Union legislation.

### 3. Composition / Information on ingredients.

#### 3.1 Substance

Not applicable

#### 3.2 Mixture

CAS-No. 7778-50-9  
EC-Nr 231-906-6  
Index-No 024-002-00-6  
Formula  $K_2Cr_2O_7/H_2O$

### 4. First aid measures.

#### 4.1 Description of first aid measures

## **General advice**

First-aid personnel: ensure self-protection!

After inhalation: Remove to fresh air, seek medical advice.

After contact with skin: Wash off with plenty of water. Remove contaminated clothing.

After contact with eyes: Rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. Immediately call an ophthalmologist.

After ingestion: Never give anything by mouth to an unconscious person. Make the victim drink plenty of water, induce vomiting. Call in physician.

## **4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

## **4.3 Indication of any immediate medical attention and special treatment needed**

no data available

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## **5. Fire fighting measures.**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

In adaption to materials stored in the immediate neighbourhood.

#### **Unsuitable extinguishing media**

Prevent fire-fighting water from entering surface water or groundwater.

### **5.2 Special hazards arising from substance or mixture**

Non-combustible. A fire-promoting effect must be considered possible when large amounts of the substance are stored.

### **5.3 Advice for firefighters**

Do not stay in dangerous zone without self-contained breathing apparatus. In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

### **5.4 Further information**

no data available

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## **6. Accidental release measures.**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Do not inhale vapours/aerosols. Avoid substance contact. Ensure supply of fresh air in enclosed rooms. For personal protection see section 8.

### **6.2 Environmental precautions**

Do not allow to enter sewerage system.

### **6.3 Methods and materials for containment and cleaning up**

Absorb on vermiculite, sand or a pillow from Chemical Spill Center.

### **6.4 Reference to other sections**

For disposal see section 13.

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## **7. Handling and storage.**

### **7.1 Precautions for safe handling**

Work under hood. Do not inhale substance. Avoid generation of vapours/aerosols. For precautions see section 2.2

## 7.2 Conditions for safe storage, including any incompatibilities

Tightly closed.  
Recommended storage temperature see product label.

## 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## 8. Exposure controls - Personal protection.

### 8.1 Control parameters

### 8.2 Exposure controls

#### Engineering measures

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

See section 7.1

#### Individual protection measures

Immediately change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with substance. Under no circumstances eat or drink at workplace. Work under hood . Do not inhale substance.

#### Respiratory protections

Required when vapours/aerosols are generated.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

#### Eye protection

Required.

#### Hand protection

Required.

#### Body protection

Required.

#### Environmental exposure controls

Do not allow to enter sewerage system.

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## 9. Physical and chemical properties.

### 9.1 Information on basic physical

#### Appearance

Form: Liquid  
Colour: Yellow  
Odour: Odourless

#### Changes in physical state

Melting Point: 0°C  
Boiling point: 100°C  
Flash point: -  
Ignation temperature: -  
Mol. Weight: 294.19 g/mol  
Density: 1,00 g/ml  
pH value:  
Solubility in water: soluble

Explosion limits:

## 9.2 Other data

No further relevant information available.

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## **10. Stability and reactivity.**

### 10.1 Reactivity

See section 10.3

### 10.2 Chemical stability

No further relevant information available.

### 10.3 Possibility of hazardous reactions

Dangerous reactions are not expected handling the product according to its intended use.

### 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 further relevant information available.

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## **11. Toxicological information.**

### 11.1 Information on toxicological effects

Acute oral toxicity

LD50 orl. rat 25 mg/kg - LD50 rat dermal 1170 mg/kg

Acute inhalation toxicity

No further relevant information available.

Acute dermal toxicity

No further relevant information available.

Skin irritation

No further relevant information available.

Eye irritation

No further relevant information available.

Sensitisation

No further relevant information available.

Germ cell mutagenicity

No further relevant information available.

Carcinogenicity

No further relevant information available.

Reproductive toxicity

No further relevant information available.

Teratogenicity

No further relevant information available.

Specific target organ toxicity - single exposure

No further relevant information available.

Specific target organ toxicity - repeated exposure  
No further relevant information available.

Aspiration hazard  
No further relevant information available.

### 11.2 Further information

No further relevant information available.

Further data:

Handle in accordance with good industrial hygiene and safety practice..

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## 12. Ecological information.

### 12.1 Toxicity

No further relevant information available.

### 12.2 Persistence and degradability

No further relevant information available.

### 12.3 Bioaccumulative potential

No further relevant information available.

### 12.4 Mobility in soil

No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

No further relevant information available.

### 12.6 Other adverse effects

Do not allow to enter waters, waste water, or soil!

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## 13. Disposal considerations.

Product: Chemicals must be disposed of in compliance with the respective national regulations. Packaging: Chem-lab product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

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## 14. Transport information.

### Land Transport (ADR/RID)

14.1 UN number UN

14.2 Proper shipping name -

14.3 Class

14.4 Packing group

14.5 Environmentally hazardous -

14.6 Special precautions for user no

Tunnel restriction code

### Inland waterway transport (ADN)

Not relevant

### Air Transport (IATA)

14.1 UN number UN

14.2 Proper shipping name -

14.3 Class

14.4 Packing group

14.5 Environmentally hazardous -

14.6 Special precautions for user no

### Sea Transport (IMDG)

14.1 UN number UN

14.2 Proper shipping name -

**14.3 Class**

**14.4 Packing group**

**14.5 Environmentally hazardous**

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**14.6 Special precautions for user**

no

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not relevant

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**15. Regulatory information.**

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

For this product an assessment was not carried out.

**15.2 Chemical Safety Assessment**

For this product an assessment was not carried out.

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**16. Other information.**

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