# Vickers Laboratories Ltd - Safety Data Sheet

1799

(in accordance with regulation (EU) 2015/830 and regulation (EC) 1272/2008)

Revision: 2.1 Revision date: 16 April 2021
Date printed: 03 February 2023

**Section 1. Identification** 

1.1 Product Identifier 1799

Product Name SODIUM NITROPRUSSIDE 2H2O pure

CAS Number 13755-38-9

REACH Registration No A registration number is not available as the substance or its uses are exempt, the

annual tonnage does not require a registration or the registration is envisaged for a

later date.

Molecular Formula Na [Fe(CN) NO].2H O =297.95

1.2 Relevent identified uses of the substance or mixure & uses advised against

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier Vickers Laboratories Ltd

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(Have this document to hand)

# Section 2. Hazards Identification

## 2.1 Classification of the substance or mixture

### Classification according to regulation 1272/2008/EC

Acute toxicity, category 3 (oral) H301: Toxic if swallowed.

### 2.2 Label elements

### Labelling according to regulation 1272/2008/EC

Signal word Danger

Hazard Pictograms



Ref: 1799

Hazard Statements Toxic if swallowed.

# **Section 3. Composition**

#### 3.1 Substances

Component	CAS No.	EEC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
Sodium Nitroprusside	13755-38-	238-373-9		>98%	Acute Tox. 3 (O)
	9				

### Section 4. First Aid

#### 4.1 Description of first aid measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists

OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. In

severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure. Keep warm and at rest. In severe cases or if exposure has been great, OBTAIN

MEDICAL ATTENTION.

Ingestion Wash out the patients mouth thoroughly with water. OBTAIN MEDICAL ATTENTION URGENTLY.

Personal protection for first Wear protective gloves / eye protection.

aiders

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

#### 5.1 Extinguishing media

Extinguishing Media Consider what other flammable materials are present and act accordingly. Water spray, alcohol resistant foam, dry

powder or carbon dioxide.

Unsuitable Media Nothing specified.

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

Hazards May evolve toxic fumes if involved in a fire. Hydrogen cyanide, nitrogen oxides. Heavy metal oxides, Sodium

Oxides

#### 5.3 Advice for firefighters

Advice for firefighters Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear

protective clothing and breathing apparatus.

### Section 6. Accidental Release Measures

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

Personal Protection Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Ensure adequate

ventilation. Avoid creating dust. Avoid breathing dust. Use approved personal protective equipment.

### **6.2 Environmental precautions**

Environmental Keep material out of sewers, storm drains, surface waters and soil.

### 6.3 Methods and material for containment and cleaning up

Major Spillage Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer to sealable

container for disposal. Carry out this operation under fume extraction. Wash area down with copious amounts of

water.

Minor Spillage

Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer to sealable container for disposal. Carry out this operation under fume extraction. Wash area down with copious amounts of

#### 6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

### Section 7. Storage & Handling

#### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits.

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

Keep container tightly closed. Well ventilated, cool, dry storage.

#### 7.3 Specific end use(s)

See section 1.2.

# Section 8. Workplace Exposure & Personal Protection

#### 8.1 Control parameters

Ī	Component	CAS No	Concentration	Workplace Ex		posure Limits		
ı				Long Term	Long Term (8hr TWA)		Short Term 15min period)	
ſ	Sodium Nitroprusside	13755-38-9	>98%	-	1.0 mg/m-3	-	2.0 mg/m-3	

Exposure data source(s) No occupational exposure data currently available.

### 8.2 Exposure controls

significant amounts of dust use L.E.V. or wear suitable dust mask.

Hand Protection Wear gloves.

Skin Protection Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

Special Hazards No special precautions required.

# Section 9. Physical & Chemical Properties

#### 9.1 Information on basic physical and chemical properties

Ruby red crystals. Appearance Odour No specific odour. pН 5 (5% solution) **Boiling Point** Not available Melting Point Not applicable Flash Point Not applicable Upper Flammable Limit Not applicable Lower Flammable Limit Not applicable Not applicable Auto Ignition **Explosive Properties** No.

Oxidising Properties No.
Vapour Pressure Not applicable

Relative Density 1.7200

Water Solubility 400 g/L Completely soluble in water.

#### 9.2 Other information

No data available.

## Section 10. Stability & Reactivity

10.1 Reactivity No data available.

10.2 Chemical Stability Stable under normal conditions

**10.3** Possibility of hazardous No data available.

reactions

10.4 Conditions to Avoid Hygroscopic; protect from moisture. Avoid exposure to heat.

10.5 Incompatable Materials Strong oxidising agents. Mixtures with nitrites can explode on heating. Strong Acids.

Hazardous Decomposition May produce hazardous fumes if involved in a fire. Hydrogen cyanide, nitrogen oxides. Heavy metal oxides,

# Section 11. Toxicological Information

### 11.1 Information on toxicological effects

Eyes Presents no significant health hazard to the eyes.

Skin May be absorbed through the skin. Avoid direct skin contact.

LD50 Skin Not available

Large amounts taken internally form cyanides as metabolites with potentially fatal consequences. Ingestion

LD50 Oral 99mg/kg Rat

Inhalation Inhalation of the dust can result in symptoms similar to those due to ingestion.

LD50 Inhalation Not available **TCLo** Not available

Carcinogenicity Not considered to be a carcinogen. Mutagenicity Not considered to be a mutagen.

Reproductive Effects None identified.

### Section 12. Ecological

12.1 Toxicity Cyanides are highly toxic to aquatic life.

LC50 Algal Not available LC50 Crustacea Not available LC50 Fish Not available

12.2 Persistence and No data available. degradability

12.3 Bioaccumulative potential No data available. 12.4 Mobility in soil No data available.

Results of PBT & vPvB Assessment not required.

assessment

12.6 Other adverse effects None known at present.

### **Section 13. Disposal Considerations**

### 13.1 Waste treatment methods

Disposal Methods Do not dispose of as domestic waste. Dispose of via an authorised waste disposal contractor to an approved waste

disposal site, observing all local and national regulations.

Contaminated Packaging Dispose of in the same way as the unused product.

### **Section 14. Transport Information**

14.1 UN Number 3288

14.2 Proper Shipping Name Toxic solid, inorganic, N.O.S. (Sodium

Nitroferricyanide (III) Dihydrate)

14.3 Transport classes

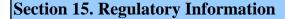
UN classification 6.1 Subsidiary hazard(s) None 2 Transport category ADR Hazard ID 60 **Tunnel Restriction Code** Е 14.4 Packing Group Ш

14.5 Environment hazards See section 12.

14.6 Special precautions for No special precautions required.

user

14.7 Transport in bulk Not transported in bulk.



15.1 Safety, health and environment regulations specific for subtance/mixture.

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Acute toxicity, category 3 (oral)

Signal word Danger

Hazard Pictograms



**Hazard Statements** H301

Toxic if swallowed.

**Precautionary Statements** P280, P270, P301+P310, P330

> Wear protective gloves / protective clothing / eye protection / face protection. Do not eat, drink or smoke when using this product. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.

#### 15.2 Chemical safety assessment

Assessment not required.

### **Section 16. Other Information**

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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