## **SIGMA-ALDRICH**

## SAFETY DATA SHEET

Version 5.1 Revision Date 01/10/2018 Print Date 06/27/2018

	RODUCT AND COMPANY					
1.1	Product identifiers Product name	:	Nitrite Ionophore IV			
	Product Number Brand	:	56301 Sigma-Aldrich			
	CAS-No.	:	207124-68-3			
1.2	Relevant identified uses of the substance or mixture and uses advised against					
	Identified uses	:	Laboratory chemicals, Synthesis of substances			
1.3	Details of the supplier of the safety data sheet					
	Company	:	Sigma-Aldrich Canada Co. 2149 Winston Park Drive OAKVILLE ON L6H 6J8 CANADA			
	Telephone Fax	:	+1 9058299500 +1 9058299292			
ŀ	Emergency telephone number					
	Emergency Phone #	:	+1-703-527-3887 (CHEMTREC)			
2. H	AZARDS IDENTIFICATION	١				
	Classification of the sub	stance	e or mixture			
	GHS Label elements, inc	luding	precautionary statements			
	Hazards not otherwise classified (HNOC) or not covered by GHS - none					
s. C	OMPOSITION/INFORMAT		N INGREDIENTS			
	Substances Formula Molecular weight	:	C <sub>16</sub> H <sub>14</sub> CoN <sub>2</sub> O <sub>2</sub> · xH <sub>2</sub> O 325.23 g/mol 207124-68-3			
I	CAS-No. EC-No.	:	238-012-5			
	CAS-No. EC-No. Hazardous components	:	238-012-5			
	CAS-No. EC-No. Hazardous components Component	: : hylidv				

## 4. FIRST AID MEASURES

## 4.1 Description of first aid measures

## General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

## If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

## In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

## In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

## If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### **4.2 Most important symptoms and effects, both acute and delayed** The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

## **4.3 Indication of any immediate medical attention and special treatment needed** No data available

## **5. FIREFIGHTING MEASURES**

## 5.1 Extinguishing media

## Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

# 5.2 Special hazards arising from the substance or mixture No data available

#### **5.3** Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information No data available

## 6. ACCIDENTAL RELEASE MEASURES

## 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

## 6.2 Environmental precautions

Do not let product enter drains.

## 6.3 Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## 6.4 Reference to other sections

For disposal see section 13.

## 7. HANDLING AND STORAGE

## 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

# **7.2** Conditions for safe storage, including any incompatibilities Keep container tightly closed in a dry and well-ventilated place.

Air sensitive.

Storage class (TRGS 510): 13: Non Combustible Solids

#### 7.3 Specific end use(s)

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

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

#### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

#### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### **Body Protection**

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### **Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

Do not let product enter drains.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

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

a)	Appearance	Form: powder Colour: dark brown
b)	Odour	No data available
c)	Odour Threshold	No data available
d)	рН	No data available
e)	Melting point/freezing point	No data available
f)	Initial boiling point and boiling range	No data available
g)	Flash point	No data available
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapour pressure	No data available
I)	Vapour density	No data available
m)	Relative density	No data available
n)	Water solubility	No data available

o)	Partition coefficient: n-	No data available	
	octanol/water		

- p) Auto-ignition No data available temperature
- Decomposition No data available q)
- temperature Viscosity No data available r)
- s) Explosive properties No data available
- Oxidizing properties No data available t)

#### 9.2 Other safety information No data available

## **10. STABILITY AND REACTIVITY**

- 10.1 Reactivity No data available
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No data available
- 10.4 Conditions to avoid Air
- 10.5 Incompatible materials Strong oxidizing agents, Strong acids

#### 10.6 Hazardous decomposition products

Other decomposition products - No data available Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx), Cobalt/cobalt oxides

In the event of fire: see section 5

## **11. TOXICOLOGICAL INFORMATION**

## 11.1 Information on toxicological effects

## Acute toxicity

No data available

Dermal: No data available

No data available

#### Skin corrosion/irritation

No data available

Serious eye damage/eye irritation No data available

Respiratory or skin sensitisation No data available

#### Germ cell mutagenicity No data available

## Carcinogenicity

IARC: 2B - Group 2B: Possibly carcinogenic to humans ((Ethylenebis(nitrilomethylidyne)-2,2'diphenolato)cobalt(II) hydrate)

#### **Reproductive toxicity**

No data available

No data available

## Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

## Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard No data available

## **Additional Information**

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### **12. ECOLOGICAL INFORMATION**

#### 12.1 Toxicity

No data available

- **12.2 Persistence and degradability** No data available
- **12.3 Bioaccumulative potential** No data available
- 12.4 Mobility in soil No data available
- 12.5 Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

#### 12.6 Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

#### **Contaminated packaging**

Dispose of as unused product.

## **14. TRANSPORT INFORMATION**

TDG (Canada)

Not dangerous goods

IMDG

Not dangerous goods

#### ΙΑΤΑ

Not dangerous goods

## **15. REGULATORY INFORMATION**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

## **16. OTHER INFORMATION**

Full text of H-Statements referred to under sections 2 and 3.

Eye Irrit.	Eye irritation
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure

### Further information

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