

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**26035-49 Porphyrin 1 Reagent**

Revision date: 19.10.2017

Product code: 2603549

Page 1 of 7

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

26035-49 Porphyrin 1 Reagent

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet**

Company name: HACH LANGE GmbH  
Street: Willstätterstr. 11  
Place: D-40549 Düsseldorf  
Telephone: +49 (0)211 5288-383  
e-mail: SDS@hach.com  
Internet: www.de.hach.com  
Responsible Department: HACH LANGE LTD  
Unit 1, Chestnut Road Western Industrial Estate  
Dublin 12 - Ireland  
Tel. +353 (0)1 4602522 \* +353 (0)1 4509337  
info-ie@hach.com

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

**2.2. Label elements****Additional advice on labelling**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**2.3. Other hazards**

None known.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
134-03-2	(+)-Sodium L-ascorbate			80-90 %
	205-126-1			
50-81-7	Ascorbic acid			10-20 %
	200-066-2			

Full text of H and EUH statements: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Take off all contaminated clothing immediately.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**26035-49 Porphyrin 1 Reagent**

Revision date: 19.10.2017

Product code: 2603549

Page 2 of 7

**After inhalation**

Move to fresh air.

**After contact with skin**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

If skin irritation persists, call a physician.

**After contact with eyes**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

Show this safety data sheet to the doctor in attendance.

**After ingestion**

If conscious, drink plenty of water. Call a physician immediately. Show this safety data sheet to the doctor in attendance.

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

No known effect.

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

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

No Limit

**5.2. Special hazards arising from the substance or mixture**

In the event of fire the following can be released: Sodium oxides, Carbon oxides

**5.3. Advice for firefighters**

In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit.

**Additional information**

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment.

**6.2. Environmental precautions**

Do not flush into surface water or sanitary sewer system.

**6.3. Methods and material for containment and cleaning up**

Sweep up or vacuum up spillage and collect in suitable container for disposal.

**6.4. Reference to other sections**

13. Disposal considerations

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin and eyes.

Do not breathe vapours/dust.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**26035-49 Porphyrin 1 Reagent**

Revision date: 19.10.2017

Product code: 2603549

Page 3 of 7

**Advice on protection against fire and explosion**

See also section 5

**Further information on handling**

Avoid contact with skin, eyes and clothing.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep containers tightly closed in a dry, cool and well-ventilated place.

**Advice on storage compatibility**

None known.

**Further information on storage conditions**

Keep locked up or in an area accessible only to qualified or authorised persons.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Additional advice on limit values**

None known.

**8.2. Exposure controls****Appropriate engineering controls**

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

**Protective and hygiene measures**

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

**Eye/face protection**

Safety glasses with side-shields

**Hand protection**

Wash hands before breaks and at the end of workday. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Skin protection**

Avoid contact with skin, eyes and clothing.

**Respiratory protection**

Provide adequate ventilation.

**Environmental exposure controls**

Should not be released into the environment.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	powder	
Colour:	light yellow, light brown	
Odour:	odourless	
pH-Value (at 20 °C):		4,9 (5 % solution)

**Changes in the physical state**

Melting point:	155-165 °C
Initial boiling point and boiling range:	not applicable
Sublimation point:	not applicable
Softening point:	not applicable

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**26035-49 Porphyrin 1 Reagent**

Revision date: 19.10.2017

Product code: 2603549

Page 4 of 7

:	no data available
Flash point:	no data available
Sustaining combustion:	No data available
<b>Flammability</b>	
Solid:	no data available
Gas:	not applicable
<b>Explosive properties</b>	
not applicable	
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Ignition temperature:	no data available
<b>Auto-ignition temperature</b>	
Solid:	no data available
Gas:	not applicable
Decomposition temperature:	no data available
<b>Oxidizing properties</b>	
no data available	
Vapour pressure:	no data available
Vapour pressure:	no data available
Density (at 20 °C):	2,511 g/cm <sup>3</sup>
Bulk density:	not applicable
Water solubility: (at 20 °C)	soluble
<b>Solubility in other solvents</b>	
no data available	
Partition coefficient:	no data available
Viscosity / dynamic:	no data available
Viscosity / kinematic:	no data available
Flow time:	not applicable
Vapour density:	not applicable
Evaporation rate:	no data available
Solvent separation test:	no data available
Solvent content:	no data available
<b><u>9.2. Other information</u></b>	
Solid content:	no data available
no data available	

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2. Chemical stability**

The product is chemically stable.

**10.3. Possibility of hazardous reactions**

Hazardous polymerisation does not occur.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**26035-49 Porphyrin 1 Reagent**

Revision date: 19.10.2017

Product code: 2603549

Page 5 of 7

**10.4. Conditions to avoid**

Extremes of temperature and direct sunlight.

**10.5. Incompatible materials**

None known.

**10.6. Hazardous decomposition products**

No decomposition if stored and applied as directed.

**Further information**

Stable under recommended storage conditions.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

No toxicology information is available.

**Acute toxicity**

Based on available data, the classification criteria are not met.

No data is available on the product itself.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
50-81-7	Ascorbic acid				
	oral	LD50 mg/kg	11900	rat	RTECS

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.

No known effect.

**Sensitising effects**

Based on available data, the classification criteria are not met.

No known effect.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

Contains no ingredient listed as a carcinogen

**STOT-single exposure**

Based on available data, the classification criteria are not met.

The substance or mixture is not classified as specific target organ toxicant, single exposure.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

No aspiration toxicity classification

**Specific effects in experiment on an animal**

No toxicology information is available.

**Additional information on tests**

None known.

**Practical experience****Observations relevant to classification**

None known.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**26035-49 Porphyrin 1 Reagent**

Revision date: 19.10.2017

Product code: 2603549

Page 6 of 7

**Other observations**

None known.

**Further information**

Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice.

**SECTION 12: Ecological information****12.1. Toxicity**

No data is available on the product itself.

**12.2. Persistence and degradability**

No data is available on the product itself.

**12.3. Bioaccumulative potential**

no data available

**12.4. Mobility in soil**

no data available

**12.5. Results of PBT and vPvB assessment**

no data available

**12.6. Other adverse effects**

No known effect.

**Further information**

No known effect.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Waste disposal number of waste from residues/unused products**

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

**Waste disposal number of used product**

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

**Waste disposal number of contaminated packaging**

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

**Contaminated packaging**

Dispose of as unused product.

**SECTION 14: Transport information****14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

no data available

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Not relevant

**SECTION 15: Regulatory information**

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 26035-49 Porphyrin 1 Reagent

Revision date: 19.10.2017

Product code: 2603549

Page 7 of 7

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

##### **EU regulatory information**

##### **Additional information**

The product does not need to be labelled in accordance with EC directives or respective national laws.

##### **National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

#### **15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

### **SECTION 16: Other information**

#### **Changes**

Revision: 19.10.2017

Safety datasheet sections which have been updated: 2, 9, 11

Revision: 26.01.2015

Safety datasheet sections which have been updated: 2

Revision: 18.09.2014

Safety datasheet sections which have been updated: 4 - 16

#### **Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

---

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*