Safety Data Sheet

Release	1.0
Revision	02/10/2015
Date of issue	12/12/2016

1 Identification of the substance

Identification of the substance

Identification of the substance	5-Hydroxy-2-(hydroxymethyl)-4-pyridone
Additional identification	2-Hydroxymethyl-5-hydroxy-4-pyridone; Dihydroxymethylpyridone
Biosynth catalog no.	H-5700
REACH No.	A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

Use of the substance/preparation

Identified uses	other biochemicals
Restriction on use	not for food or drug use, for laboratory use only

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Emergency Number

Phone	+41 (0)71 858 20 20 office hours

2 Hazards identification

GHS Labeling

Regulatory List

EC1272/08 Regulation (EC) 1272/2008 (GHS/CLP)

Additional Information

Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

3 Composition/information on ingredients

Substance related information

Substance name	5-Hydroxy-2-(hydroxymethyl)-4-pyridone
Synonymes	2-Hydroxymethyl-5-hydroxy-4-pyridone; Dihydroxymethylpyridone
Cas No.	[31883-16-6]
Formula	$C_6H_7NO_3$

4 First aid measures

First Aid: Eye

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

First Aid: Skin
Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

First Aid: Ingestion
Wash out mouth with water provided person is conscious. Call a physician.

First Aid: Inhalation
Remove casualty to fresh air and keep warm and atrest. If breathing is irregular or stopped, administerartificial respiration. Call a physician.

Hints for Physician: Treatment
Treat symptomatically.

5 Firefighting measures

Extinguishing Media

Suitable
foam, dry extinguishing powder, carbon dioxide (CO2), water spray jet

Hazards During Fire-Fighting
toxic fumes

Protective Equipment for Fire-Fighting
Wear a self-contained breathing apparatus and chemical protective clothing.

Fire-Fighting/Further Advice
Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

6 Accidental release measures

Personal Precautions
Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

Environmental Precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

Methods for Cleaning or Taking Up
not available

Further Accidental Release Measures
Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

7 Handling and storage

Handling

Handling advice
Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

Storage

8 Exposure controles/personal protection

Exposure controles

Industrial Hygiene
Mechanical exhaust required. Safety shower and eye shower.

Personal Protective Equipment

Respiratory Protection
Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

Hand Protection
Wear compatible chemical-resistant gloves to prevent skin exposure.

Eye Protection
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

Body Protection
Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

Advice on Safe Handling
Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

9 Physical and chemical properties

Form
powder

Molar Mass
141,13 g/mol

10 Stability and reactivity

Conditions to Avoid
incompatible materials

Substances to Avoid
strong oxidizers

Decomposition Products
nitrogen oxides (NOx), carbon dioxide (CO_2), carbon monoxide

11 Toxicological information

Other Relevant Toxicity Information
We are not aware of any toxicology data.

12 Ecological Information

Biodegradation
no data available

Bioaccumulation
no data available

Distribution in Environment
no data available

13 Disposal considerations

Advice on Disposal and Packaging

Advice on Disposal
Dissolve or mix the material with a combustible solvent and burn in achemical incinerator equipped with an afterburner and, Dispose of waste according to laws applicable.

Advice on Packaging
not available

14 Transport information

Road Transport (ADR/GGVS)

not regulated

Air Transport (IATA)

not regulated

15 Other regulations

Other Regulations

not available

16 Additional information

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