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Material Safety Data Sheet

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SIGMA-ALDRICH

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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
Version 4.2 Revision Date 03.12.2011
Print Date 15.09.2012

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifiers**

Product name : Hydrogen sulfide

Product Number : 295442
Brand : Aldrich
Index-No. : 016-001-00-4
CAS-No. : 7783-06-4

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

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich Company Ltd.
The Old Brickyard
NEW ROAD, GILLINGHAM
Dorset
SP8 4XT
UNITED KINGDOM

Telephone : +44 (0)1747 833000
Fax : +44 (0)1747 833313
E-mail address : eurtechserv@sial.com

1.4 Emergency telephone number

Emergency Phone # : +44 (0)1747 833100

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Flammable gases (Category 1)
Gases under pressure (Liquefied gas)
Acute toxicity, Inhalation (Category 2)
Acute aquatic toxicity (Category 1)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Extremely flammable. Very toxic to aquatic organisms. Very toxic by inhalation.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Signal word : Danger

Hazard statement(s)

H220 : Extremely flammable gas.
H280 : Contains gas under pressure; may explode if heated.
H330 : Fatal if inhaled.
H400 : Very toxic to aquatic life.

Precautionary statement(s)

P210 : Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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P260 : Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P273 : Avoid release to the environment.
P284 : Wear respiratory protection.
P310 : Immediately call a POISON CENTER or doctor/ physician.
P410 + P403 : Protect from sunlight. Store in a well-ventilated place.

Supplemental Hazard Statements : none

According to European Directive 67/548/EEC as amended.

Hazard symbol(s)



R-phrases(s)

R12 : Extremely flammable.
R26 : Very toxic by inhalation.
R50 : Very toxic to aquatic organisms.

S-phrases(s)

S 9 : Keep container in a well-ventilated place.
S16 : Keep away from sources of ignition - No smoking.
S36 : Wear suitable protective clothing.
S38 : In case of insufficient ventilation, wear suitable respiratory equipment.
S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S61 : Avoid release to the environment. Refer to special instructions/ Safety data sheets.

2.3 Other hazards - none**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Formula : H₂S