



馬 電 石 有 限 公 司

MAGNALIUM SDN. BHD. (229609-U)

Safety Data Sheet (SDS) Dissolved Acetylene Gas

Section 1: Identification of the hazardous chemical and of the supplier

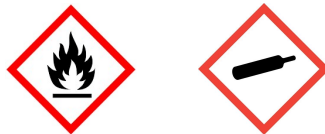
- 1.1 Product Identifier** : Dissolved Acetylene Gas
1.2 Other means of identification : C₂H₂
1.3 Recommended use of the chemical : Mainly used for cutting steels.
1.4 Details of principal supplier :
Company Name: Magnalium Sdn Bhd
Address : Lot Pt No. 14788, 2.5km off Jalan Pengkalan,
31300 Simpang Pulai, Perak, Malaysia.
Phone Number : +605 357 5866/+605 357 6023
Fax Number : +605 357 2566
Webpage : <http://www.magnalium.com.my>
Email : enquiry@magnalium.com.my
- 1.5 Emergency phone number** : +6016-222 4925

Section 2: Hazard Identification

- 2.1 Classification of the hazardous chemical**
Flammable gases – Category 1 (ICOP 2014)
Gases under pressure – Category A (ICOP 2014)

2.2 Label elements

Hazard pictogram :



Signal word : Danger

Hazard statement : Extremely flammable gas
Contains gas under pressure; may explode if heated.

Precautionary statement : Prevention
Keep away from heat, hot surfaces, sparks, open flames and ignition sources.

Response
Leaking gas fire: Do not extinguish unless leak can be stopped safely.

Eliminate all ignition if safe to do so.

Storage

Store in a well-ventilated place.

Disposal

Dispose of cylinder in accordance with local regulations.

Section 3: Composition and information of the ingredients of the hazardous chemical

Hazardous Chemical: Dissolved Acetylene Gas

TYPICAL CHEMICAL ANALYSIS (AVERAGE)	
Components	(%)
Dissolved Acetylene Gas	100

Section 4: First-aid measures

4.1 Description of first-aid measures, subdivided according to different routes of exposure as follow:

Inhalation : Rest the patient in a well ventilated area and seek medical attention.
Skin contact : Adverse effects not expected from this product.
Eye contact : Adverse effects not expected from this product.
Ingestion : Ingestion is not considered a potential route of exposure.

4.2 Most important symptoms and effects, both acute and delayed:

Cause asphyxiation and narcotic effects.

4.3 Indication of any immediate medical attention and special treatment needed, if necessary:

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatment : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without having received suitable training. If it is suspected that fumes are still present, the rescuer should wear appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Section 5: Fire-fighting measures

5.1 Suitable extinguishing media:

Water spray or fog.

5.2 Physicochemical hazards arising from the chemical:

Exposure to fire may cause cylinder to explode.

5.3 Special protective equipment and precautions for fire fighters:

Protective equipment: Wear protective eyewear, gloves and clothing.

Precautions : Do not extinguish a leaking gas unless can be stopped safely. Spontaneous/explosive re-ignition may occur.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures:

Try to stop release. Evacuate area. Eliminate ignition source.

6.2 Environmental precautions:

Try to stop release

6.3 Methods and materials for containment and cleaning up

Small spill / Large spill : Ventilate area

Section 7: Handling and Storage

7.1 Precautions for safe handling

Keep away from heat and sources of ignition. Avoid release of product into atmosphere.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and well ventilated place. Keep away from heat and sources of ignition.

Section 8: Exposure controls and personal protection

8.1 Control parameters:

No applicable occupational exposure limits.

8.2 Appropriate engineering controls:

See Section 7.1 Precautions for safe handling

8.3 Individual protection measures:

Wear long sleeves, safety goggles and gloves.

Section 9: Physical and chemical properties

Appearance:	
Physical state	: Gas
Colour	: colourless
Odour	: Garlic-like
Odour threshold	: Not available
pH	: Not available
Melting point	: -80°C (176°F)
Boiling point/boiling range	: -84°C (183°F)
Flash point	: Data is not available
Evaporation rate	: Data is not available
Flammability (solid, gas)	: Extremely flammable gas
Explosive limits	: 2.2 – 85 vol%
Vapour pressure	: 44bar in 20 °C
Vapour density	: Data is not available
Relative density	: 0.9
Solubility	: 1185mg/l
Partition coefficient: n- Octanal/water	: 0.37
Auto-ignition temperature	: 305°C (581°F)
Decomposition Temperature	: 635°C (1,175°F)
Viscosity	: Data is not available

Section 10: Stability and reactivity

Reactivity	: No reactivity hazard other than the below.
Chemical stability	: Stable under recommended handling and storage conditions.
Possibility of hazardous reaction	: Hazardous reaction or instability may occur under certain condition of storage or use. Conditions may include the following: Contact with water Reactions may include the following: Explosive
Condition to avoid	: Keep away from heat, sparks, open flames or hot surfaces.
Incompatible materials	: Copper, silver and mercury.
Hazardous decomposition Products	: Not data available.

Section 11: Toxicological information

Acute Toxic	: Data is not available
Skin corrosion or irritation	: Data is not available
Serious eye damage or eye	: Data is not available

irritation
Respiratory sensitization : Data is not available
Skin sensitization : Data is not available
Germ cell mutagenicity : Data is not available
Carcinogenicity : Data is not available
Reproductive toxicity : Data is not available
Specific target organ toxicity: Data is not available
(STOT) – single exposure
Specific target organ toxicity: Data is not available
(STOT) – repeated exposure
Aspiration hazard : Data is not available

Section 12: Ecological information

Ecotoxicity : Data is not available
Persistence and degradability : Data is not available
Bioaccumulative potential : Data is not available
Mobility in soil : Data is not available
Other adverse effects : Data is not available

Section 13: Disposal Information

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of local environmental protection and waste disposal legislation. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Prevent spillage of materials into soil, waterways, drains and sewers.

Section 14: Transport information

UN Number : 1001
UN proper shipping name : Acetylene, Dissolved
Transport hazard class : 2.1



Packing group : No
Environmental hazard : No
Transport in bulk : Data is not available

Section 15: Regulatory information

Regulation : Malaysia Occupational Safety and Health Act 1994
Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.
Industry Code of Practice on Chemicals Classification and Hazard Communication 2014 (ICOP 2014).

Section 16: Other information

This Safety Data Sheet was last updated on **April 16, 2019**.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Magnalium Sdn. Bhd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Magnalium Sdn. Bhd. has been advised of the possibility of such damages. This version of the SDS supercedes all previous versions.