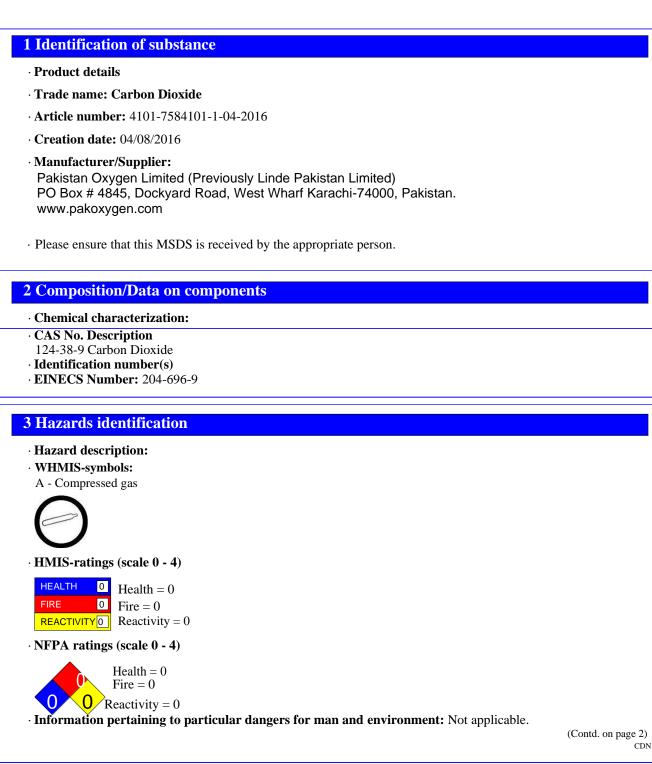


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· Classification system:

The classification is in line with internationally approved calculation standards. It is expanded, however, by information from technical literature and by information furnished by supplier companies. · GHS label elements Void

4 First aid measures

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for at least 15 minutes under running water. Then consult a doctor.
- After swallowing: Not applicable

5 Fire fighting measures

- · Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Protective equipment: Wear self-contained respiratory protective device.

6 Accidental release measures

· Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Stop leak - ONLY if possible to do so without risk.

- · Measures for environmental protection: Prevent seepage into sewage system, workpits and/or cellars.
- Measures for cleaning/collecting: Ensure adequate ventilation.
- · Additional information: No dangerous substances are released.

7 Handling and storage

· Handling:

· Information for safe handling:

Handle with care. Avoid jolting, friction, and

impact. Use only in well ventilated areas.

Store container in a secured area. Limit access to authorized personnel only. Report any incidents involving thefts, misuse, or inventory shortages to law enforcement and the supplier. Security shall be provided in accordance with all local, state (provincial) and federal regulations.

Information about protection against explosions and

fires: Keep ignition sources away - Do not smoke.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

· Storage:

· Requirements to be met by storerooms and receptacles:

Do not expose cylinder to temperatures higher than 50°C (122 °F)

Protect cylinders from physical damage. Store in cool, dry, well-ventilated area away from heavily trafficked areas and emergency exits. Do not allow the temperature where cylinders are stored to exceed 125°F (52°C). Cylinders should be stored upright and firmly secured to prevent falling or being knocked over. Full and empty cylinders should be segregated. Use a "first in-first out" inventory system to prevent full cylinders being stored for excessive periods of time.

· Information about storage in one common storage facility:

Sources of ignition should be removed from storage area.

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· Further information about storage

conditions: Keep cylinder valve tightly closed.

Store in accordance with local fire code and/or building code or any pertaining regulations.

8 Exposure controls and personal protection

\cdot Additional information about design of technical

systems: Adequate local ventilation.

Safety showers and eyewash stations should be nearby.

· Components with limit values that require monitoring at the workplace:

124-38-9 Carbon Dioxide (23 - 100%)

EL Short-term value: 15000 ppm

- Long-term value: 5000 ppm
- EV Short-term value: 54.000 mg/m³, 30.000 ppm

Long-term value: 9.000 mg/m³, 5.000 ppm

• Additional information: The lists that were valid during the creation were used as basis.

· Personal protective equipment:

· General protective and hygienic measures:

Protective clothing and PPE should be kept free of oil and grease, generally in clean condition PPE should be inspected and maintained regularly to retain effectiveness.

· Breathing equipment:

Use atmosphere-supplying respirators (e.g. supplied-air: demand, pressure-demand, or continuous-flow or selfcontained breathing apparatus: demand or pressure-demand or combination supplied-air with auxiliary selfcontained air supply atmosphere-supplying respirator) in case of insufficient ventilation.

· Protection of hands:



Protective gloves.

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· Eye protection: Safety glasses

Gaseous. Colorless Odorless	
Contracts	
Odorless	
e: -56.6°C	
Not applicable.	
Product does not present an explosion hazard.	
	**

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· Solubility in / Miscibility with

Water at 20°C: 2000 g/l

10 Stability and reactivity

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Materials to be avoided:

· Dangerous reactions No dangerous reactions known.

· Dangerous products of decomposition: No dangerous decomposition products known.

11 Toxicological information

- · Acute toxicity:
- · LD/LC50 values that are relevant for classification: LC50 None available
- · Primary irritant effect:
- on the skin: No irritating effect.
- \cdot on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us. The substance is not subject to classification.

12 Ecological information

· Additional ecological information:

· General notes: Generally not hazardous for water

13 Disposal considerations

- · Product:
- \cdot **Recommendation:** Unused product should be returned to vendor.
- · Uncleaned packagings:
- · Recommendation:

Cylinder and unused product should be returned to vendor. Disposable cylinder must be disposed of in accordance with local regulations.

· Recommended cleansing agent: None applicable.

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	/•
• TDG and DOT regula	tions:
Commercian das	
· Label	2.2
• Maritime transport IN	
· IMDG Class:	1
 UN Number: Label 	1013 2.2
· Marine pollutant:	2.2 No
· Proper shipping name	
· Air transport ICAO-T	T and IATA-DGR:
· ICAO/IATA Class:	1
· UN/ID Number:	1013
· Label	2.2
	2.2
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· Cancerogenity categories	(Contd. of page 5)
· EPA (Environmental Protection	
Agency) Substance is not listed.	
· NTP (National Toxicology	
Program) Substance is not listed.	
· TLV (Threshold Limit Value established by	
ACGIH) Substance is not listed.	
· NIOSH-Ca (National Institute for Occupational Safety and	
Health) Substance is not listed.	
· OSHA-Ca (Occupational Safety & Health	
Administration) Substance is not listed.	
· Canadian substance listings:	
· Canadian Domestic Substances List	
(DSL) Substance is listed.	
· Canadian Ingredient Disclosure list (limit	
0.1%) Substance is not listed.	
· Canadian Ingredient Disclosure list (limit	
1%) Substance is listed.	
· Product related hazard informations:	
Observe the general sofety regulations when handling chemicals	

Observe the general safety regulations when handling chemicals.

The substance is not subject to classification according to the sources of literature known to us. The product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

· Safety phrases:

Keep container tightly closed in a cool place.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Please refer to the section 3 for NFPA and HMIS Hazard Codes.

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

GENERAL DISCLAIMER

For terms and conditions, including limitation of liability, please refer to the purchase agreement in effect between POL. (or any of its affiliates and subsidiaries) and the purchaser.

• Department issuing MSDS: Customer Service Centre: UAN: +92.21.111-262725

· Abbreviations and Acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstract Service (Division of the American Chemical Society) DOT: US Department of Transportation EINECS: European Inventory of Existing Commercial Chemical Substances GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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HMIS: Hazardous Material Identification System
IATA: International Air Transportation Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transportation Association"
ICAO: International Civil Aviation Association
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization (ICAO)
IMDG: International Marine Code for Dangerous Goods
WHIMS: Workplace Hazardous Material Information System
LC50: Lethal Concentration, 50 Percent
LD50: Lethal Dose, 50 Percent
N/A: Not Applicable