



Carbon Dioxide, Solid or Dry Ice

Safety Data Sheet GCI-001

Date of Issue: 01/01/2021 Revision date: 10/03/2021

Section 1: Product and company Information

1.1 Product Identifier

Trade Name : Dry Ice, Ultra ice
Formula : CO₂
MSDS No GCI-001

1.2 Details of the supplier of the safety data sheet

Name : Globcorp International Co W.L.L
Address : Shop No 52, Building 2527, Road 1535, Block
115, Hidd, Kingdom of Bahrain
Emergency number : +973-34026802/33701856/36457106

1.3 Product Composition / Information of ingredients

Substance name : Carbon dioxide (solid)
Contents : 100%
Contains no other components or impurities
which will influence the classification of the
product

Section 2: Hazard Identification

Hazards Refrigerated solidified gas. CONTACT WITH
PRODUCT MAY CAUSE COLD BURNS OR
FROSTBITE.
Dry ice sublimates to carbon dioxide vapor at -78°C.
VAPOR MAY DISPLACE OXYGEN AND CAUSE
RAPID SUFFOCATION.
In high concentrations may cause asphyxiation.

Section 3: First Aid Measures

After Inhalation Remove victim to uncontaminated area wearing
self-contained breathing apparatus. Keep victim
warm and rested, call a doctor and apply artificial
respiration is breathing stopped.



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After Skin contact	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
After Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Hold the eyelids open and away from the eyeballs to ensure all surfaces are flushed thoroughly. Get immediate medical attention
After Ingestion	Ingestion is not considered a potential route of exposure

Section 4: Firefighting Measures

Flammable class	Non-flammable.
Specific hazards	Exposure to fire may cause containers to rupture/explode.
Suitable extinguishing media	All known extinguishers can be used.
Specific methods	If possible stop flow of product. Move away from the container and cool with water from a protected position.
Special protective equipment	In confined space use self-contained breathing apparatus.

Section 5: Handling and Storage

Storage	Keep container below 50°C in a well ventilated place.
Handling	Use only proper specified equipment which is suitable for this product. Refer to supplier's container handling instructions. Contact your gas supplier if in doubt.

Section 6: Exposure controls / Personal protection

Personal protection	Ensure adequate ventilation.
Occupational Exposure Limits	Carbon dioxide : TLV© -TWA [ppm] : 5000 Carbon dioxide : TLV© -STEL [ppm] : 30000 Carbon dioxide : OEL (UK)-LTEL [ppm] : 5000 Carbon dioxide : OEL (UK)-STEL [ppm] : 15000 Carbon dioxide : MAK - Germany [ppm] : 5000



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Section 7: Physical and Chemical properties

Color	: Colorless.
Odor	: No odor warning properties.
Molecular formula	: CO ₂
Molecular weight	: 44
Melting point [°C]	: -56.6
Boiling point [°C]	: -78.5 (s)
Critical temperature [°C]	: 30
Vapor pressure, 20°C	: 57.3 bar
Relative density, gas (air=1)	: 1.52
Relative density, liquid (water=1)	: 1.03
Solubility in water [mg/l]	: 2000

Section 8: Stability and Reactivity

Stability and reactivity : Stable under normal conditions.

Section 9: Toxicological Information

Toxicity Information : In high concentrations cause rapid circulatory insufficiency.

Section 10: Disposal Considerations

General Do not discharge into any place where its accumulation could be dangerous.
Discharge to atmosphere in large quantities should be avoided.




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Section 11: Transport information

Transport document description	: UN1845 Carbon dioxide, solid, 9
UN-NO (DOT)	: UN1845
Proper shipping name	: Carbon dioxide, solid
Class (DOT)	: 9-Class 9-Miscellaneous hazardous material 49 CFR 173.140
Hazard labels (DOT)	: 9-Class 9 (Miscellaneous dangerous materials)
	
DOT Symbols	: A- material is regulated as a hazardous material only when transported by air, W- Material is regulated as a hazardous material only when transported by water.

Section 12: Other Information

Asphyxiant in high concentration

Keep container in a well ventilated place

Do not breathe the gas

Ensure all national/local regulations are observed

Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.