

**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (as Used on Label and List)

CO2 SODA CHARGERS

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's name

KAYSER BERNDORF AG

Emergency Telephone Number

011 43 1 259 7341

Address (Number, Street, City, State and ZIP Code)

LEOBERSDORFER STRASSE 26

Telephone Number for Information

011 43 1 259 7341

A-2560 BERNDORF/ AUSTRIA

Date Prepared

APRIL 2004

Signature of Preparer (optional)



**Section II—Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity, Common Name(s))

CARBON DIOXIDE CO2

OSHA PEL

ACGIH TLV

Other Limits Recommended

% (optional)

DNA

DNA

DNA

DNA

ORM-D CONSUMER COMMODITY

NOT CONSIDERED AS HAZMAT FOR SHIPPING

**Section III—Physical/Chemical Characteristics**

Boiling Point

AT 1 ATM

- 109 F

Specific Gravity (H2O = 1)

GAS PHASE STP

0.00185

Vapor Pressure (mm Hg)

GAS AT STP

DNA

Melting Point

DNA

Vapor Density (AIR = 1)

AT 60 D F/1 ATM

1.53

Evaporation Rate (Butyl Acetate = 1)

DNA

Solubility in Water

AT STP 0.9 V / V

Appearance and Odor

COLORLESS, SLIGHTLY PUNGENT & ACIDIC TASTE

**Section IV—Fire and Explosion Hazard Data**

Flash Point (Method Used)

DNA

Flammable Limits

DNA

LEL

UEL

Extinguishing Media

DNA

Special Fire Fighting Procedures

NONE

Unusual Fire and Explosion Hazards

CYLINDERS MAY RUPTURE IF HEATED ABOVE 240 F

**Section V—Reactivity Data**

Stability	Unstable	NO	Conditions to Avoid
	Stable	YES	

Incompatibility (*Materials to Avoid*) NONE

Hazardous Decomposition or Byproducts NONE

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

**Section VI—Health Hazard Data**

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
-------------------	-------------	-------	------------

Health Hazards (*Acute and Chronic*)

Carcinogenicity	NTP?	IARC Monographs?	OSHA Regulated?
-----------------	------	------------------	-----------------

Signs and Symptoms of Exposure HEADACHE, DROWSINESS

Medical Conditions  
Generally Aggravated by Exposure

Emergency and First Aid Procedures REMOVE AFFECTED PERSON(S) TO OPEN AIR. SEEK

MEDICAL ASSISTANCE IF AFFECTED PERSON (S) ARE UNCONSCIOUS.

**Section VII—Precautions for Safe Handling and Use**Steps to Be Taken in Case Material Is Released or Spilled AVOID CONTACT WITH "DRY ICE" – SOLID CO<sub>2</sub>.

ALLOW TO EVAPORATE INTO OPEN AIR

Waste Disposal Method ALLOW GAS TO DISPENSE. DO NOT DISPOSE OF SEALED FULL CON

TAINERS, RELEASE GAS BY PIERCING DISC IN APPROVED MANNER

Precautions to Be Taken in Handling and Storing DO NOT STORE CONTAINERS TEMPERATURES ABOVE 120 F

DO NOT STORE UNDER GLASS OR DIRECT SUNLIGHT

Other Precautions DO NOT MUTILATE FULL CONTAINERS. DO NOT THROW IN FIRE. KEEP OUT

OF REACH OF CHILDREN

**Section VII—Control Measures**Respiratory Protection (*Specify Type*) SELF CONTAINED BREATHING APPARATUS ABOVE TLV

Ventilation	Local Exhaust	X	Special	NONE
	Mechanical ( <i>General</i> )	IF AVAILABLE	Other	NONE

Protective Gloves RECOMMENDED Eye Protection RECOMMENDED

Other Protective Clothing or Equipment NONE

Work/Hygienic Practices