Linde Gas ] **AGA** 

## Safety data sheet

## Carbon dioxide

Creation date : Revision date :	08.02.2007 08.02.2007	Version	: 1.0	SE / E	SDS no. : 8377		
1 IDENTIFICATION OF THE COMPAN Product description Carbon dioxide	OF THE SUBSTANCE/PRI IY	EPARATION AND	Try to stop release. Preve workpits, or any place when <b>Clean up methods</b> Ventilate area.	nt from entering re its accumulat	g sewers, basements and tion can be dangerous.		
Chemical formula CO2			7 HANDLING AND STORAGE				
For professional use only.			Handling				
Company identification			Suck back of water into the container must be prevented. Do not allow backfeed into the container. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Refer to				
AGA Gas AB, Rissneleden 14, 17282 Sundbyberg, Sweden Phone: +4619276105							
Fax: +4619255831							
Emergency phone nu	imbers: +4620996000		supplier's container handlin Storage	ng instructions.			
2 COMPOSITION/IN	IFORMATION ON INGRED	IENTS	Secure cylinders before fal	lling down. Kee	p container below 50°C in		
Substance/Preparatio	on: Substance		a well ventilated place.				
Components/ Impurities Carbon dioxide			8 EXPOSURE CONTROLS/PERSONAL PROTECTION				
CAS Nr: 124-38-9			Exposure limit value				
EEC Nr (from EINECS Contains no other corr	5) : 204-696-9 ponents or impurities which	h will influence the	Value type SE-NGV	value 5.000 ppm	Note		
classification of the pro	duct.		TLV (ACGIH)	5.000 ppm	ACGIH 1995 - 1996		
3 HAZARDS IDENT	IFICATION		Personal protection	on Carry work	ing gloves and protection		
Classification			shoes while handling gas cylinders.				
Asphyxiant in high concentrations.							
Risk advice to man and the environment			General information				
Contact with liquid may	y cause cold burns/frost bite	).	Appearance/Colour: Colourless gas Odour: No odour warning properties.				
4 FIRST AID MEAS	URES		Important information on	environment,	health and safety		
Inhalation In high concentration: include loss of mobility asphyxiation. Low of respiration and heada wearing self contained rested. Call a doctor. A Skin/eye contact Obtain medical assista Ingestion Ingestion is not consid	s may cause asphyxiation //consciousness. Victim ma concentrations of CO2 che. Remove victim to und breathing apparatus. Keep upply artificial respiration if b nce ered a potential route of exc	<ul> <li>Symptoms may yo not be aware of cause increased contaminated area potictim warm and breathing stopped.</li> </ul>	Molecular weight: 44 g/mol Melting point: -56,6 °C Boiling point: -78,5 °C Sublimation point: -78,5 °C Critical temperature: 31 °C Autoignition temperature: Not applicable Flammability range: Not applicable Vapour Pressure 20 °C: 57,3 bar Maximum filling pressure (bar): 57 bar Other data Gas/vapour beavier than air. May accumulate in confined spaces				
			particularly at or below ground level.				
Specific hazards	IEAJUKEJ		10 STABILITY AND REA	CTIVITY			
Exposure to fire may cause containers to rupture/explode. Non flammable		Stability and reactivity Stable under normal conditions.					
nazardous compustion products None		11 TOXICOLOGICAL INFORMATION					
Suitable extinguishing media		Acute toxicity					
All known extinguishants can be used. <b>Specific methods</b> If possible, stop flow of product. Move container away or cool with water from a protected position. <b>Special protective equipment for fire fighters</b> In confined space use self-contained breathing apparatus.			Symptoms are headache, nausea and vomiting, which may lead to unconsciousness.				
							12 ECOLOGICAL INFORMATION
			General When discharged in large quantities may contribute to the				
			6 ACCIDENTAL RE	LEASE MEASURES		greenhouse effect. Global warming factor	
Personal precautions	s r self-contained breathing	apparatus when	13 DISPOSAL CONSIDE	RATIONS			
entering area unless atmosphere is proved to be safe. Ensure			General Do not discharge into any place where its accumulation could be				
adequate air ventilation. Environmental precautions			dangerous. To atmosphere in a well ventilated place. Discharge to				

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atmosphere in large qu if guidance is required. EWC no. 16 05 05 14 TRANSPORT INFO ADR/RID Class UN number and prope UN 1013 Carbon dioxide ADR/RID-Labels Packing Instruction IMDG Class UN number and prope UN 1013 Carbon dioxide ADR/RID-Labels Packing Instruction EmS IATA Class UN number and prope UN 1013 Carbon dioxide ADR/RID-Labels Packing Instruction EmS IATA Class UN number and prope UN 1013 Carbon dioxide ADR/RID-Labels Packing Instruction Other transport inform Avoid transport on vehi from the driver's compa potential hazards of the an accident or an containers ensure that is closed and not leak provided) is correctly	antities should be avoide PRMATION 2 Classification 2 Cl	ed. Contact supplier on Code 2A mber 20 ce is not separated river is aware of the o do in the event of ansporting product and: - cylinder valve nut or plug (where ion device (where	provided) is correctly fitted - there is adequate ventilation compliance with applicable regulations. <b>15 REGULATORY INFORMATION</b> <b>Number in Annex I of Dir 67/548</b> Not included in Annex I. <b>EC Classification</b> : Proposed by the industry Not classified as dangerous substance. <b>Labelling</b> <b>• Symbols</b> No symbol required. <b>• Risk Phrases</b> RAs Asphyxiant in high concentrations. <b>• Safety Phrases</b> S9 Keep container in well ventilated place. S23 Do not breathe the gas. <b>Water pollution class</b> Not water endagering according to VwVwS of the 17.5.1999 <b>16 OTHER INFORMATION</b> Ensure all national/local regulations are observed. The hazard of asphyxiation is often overlooked and must be stressed during operator training. Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out. <b>Advice</b> Details given in this document are believed to be correct at the time of going to press. <b>Further informations</b> Hommel: Handbook of dangerous goods Linde Safety Instructions Nr. 12 Handling of carbon dioxide CO2			

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