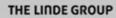




## Safety data sheet Methane, compressed.

Creation date : Revision date :			DE / E	SDS No. : 8321 page 1 / 2	
<ul> <li>1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY</li> <li>Product name</li> <li>Methane, compressed.</li> <li>E C No (from EINECS): 200-812-7.</li> <li>CAS No: 74-82-8</li> <li>Index-Nr. 601-001-00-4</li> <li>Chemical formula CH4</li> <li>RACH Registration number.</li> <li>Nat vailable.</li> <li>Known uses</li> <li>Not known.</li> <li>Ompany identification</li> <li>Linde AG, Linde Gas Division, Seitnerstraße 70, D-82049 Pullach</li> <li>E-Mail Address Info@de.linde-gas.com</li> <li>Emergency phone numbers (24h): 089-7446-0.</li> <li>2 HAZARDS IDENTIFICATION</li> <li>Classification acc. to Regulation (EC) No 1272/2008/EC (CIP/GHS)</li> <li>Press. Gas (Compressed gas) - Contains gas under pressure; may explode if heated.</li> <li>Plan. Gas 1 - Extremely flammable gas.</li> <li>Classification acc. to Directive 67/548/EEC &amp; 1999/45/EEC Equipode if heated.</li> <li>Rist advice to man and the environment</li> <li>Inigh concentrations may cause asphyxiation.</li> <li>Compressed gas.</li> <li>Labelling Pictograms</li> </ul>		Precaution 3 COM Substance Component Methane, CAS No: Index-Nr EC No (fit REACH Fit Not availation Contains classifica 4 FIRS Inhalation In high of include lot asphyxiat Substance Component Methane, CAS No: Index-Nr EC No (fit REACH Fit Not availation In high of include lot asphyxiat Substance Component Methane, CAS No: Index-Nr EC No (fit REACH Fit Not availation In high of include lot Substance Specific Exposure Hazardon Incomple Suitable All known Specific	<ul> <li>Substance/Preparation: Substance.</li> <li>Components/Impurities</li> <li>Methane, compressed.</li> <li>CAS No: 74-82-8</li> <li>Index-Nr.: 601-001-00-4</li> <li>EC No (from EINECS): 200-812-7</li> <li>REACH Registration number:</li> <li>Not available.</li> <li>Contains no other components or impurities which will influence the classification of the product.</li> <li>4 FIRST AID MEASURES</li> <li>Inhalation</li> <li>In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Symptoms may include dizziness, headache, nausea and loss of co-ordination. Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call a doctor. Apply artificial respiration if breathing stopped.</li> <li>Ingestion</li> <li>Ingestion is not considered a potential route of exposure.</li> <li>5 FIRE FIGHTING MEASURES</li> <li>Specific hazards</li> <li>Exposure to fire may cause containers to rupture/explode.</li> <li>Hazardous combustion products</li> <li>Incomplete combustion may form carbon monoxide.</li> <li>Suitable extinguishants can be used.</li> <li>Specific methods</li> </ul>		
			If possible, stop flow of product. Move container away or cool with water from a protected position. Do not extinguish a leaking gas flame unless absolutely necessary. Spontaneous/explosive reignition may occur. <b>Special protective equipment for fire fighters</b> In confined space use self-contained breathing apparatus.		
- Signal word					
Da	anger		IDENTAL RELEASE MEASU	KED	
- Hazard Statements H280	Contains gas under pressu explode if heated.	re; may Wear self Eliminate	ere is proved to be safe. Ensignition sources.	us when entering area unless sure adequate air ventilation.	
H220	Extremely flammable gas.		<b>nental precautions</b> p release.		
- Precautionary Statements			Clean up methods		
Precautionary Statom	ant Prevention	Ventilate	area.		
Precautionary Statemo P210	Keep away from heat/spart flames/hot surfaces No s	moking. Handling			
Precautionary Stateme P377	recautionary Statement Reaction 377 Leaking gas fire: Do not extinguish, unless leakcan be stopped safely.		Ensure equipment is adequately earthed. Suck back of water into the container must be prevented. Purge air from system before introducing gas. Use only properly specified equipment which is		
P381	Eliminate all ignition source so.	es if safe to do Contact sources ( and other	suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Keep away from ignition sources (including static discharges). Segregate from oxidant gases and other oxidants in store. Refer to supplier's handling instructions.		
P403 Store in a well-ventilated place.			Storage		
				8321 / EDV / 19.11.2010	





## Safety data sheet Methane, compressed.

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container below 50°C	Regeln Druckgase (TRG) 2 in a well ventilated place		IMDG Class	2.1	20	
<ul><li>oxidant gases and other oxidants in store.</li><li>8 EXPOSURE CONTROLS/PERSONAL PROTECTION</li></ul>			UN number and proper shipping name UN 1971 Methane, compressed Labels 2.1			
Personal protection Ensure adequate vent	ilation. Do not smoke while h	andling product.	Packing Instructio	n P200 FD, SU		
9 PHYSICAL AND CHEMICAL PROPERTIES			IATA Class 2.1			
General information			UN number and proper shipping name			
Appearance/Colour: Colourless gas.			UN 1971 Methane, compressed Labels 2.1			
Odour: None.			Packing Instructio	n P200		
Important information on environment, health and safety Molecular weight: 16 g/mol Melting point: -182 °C Boiling point: -161 °C Critical temperature: -82 °C Autoignition temperature: 595 °C Flammability range: 4,4 %(V) - 15 %(V) Relative density, gas: 0,6 Solubility mg/l water: 26 mg/l Maximum filling pressure (bar): 200 bar			Other transport information Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers ensure that they are firmly secured. Ensure that the cylinder valve is closed and not leaking. Ensure that the valve outlet cap nut or plug (where provided) is correctly fitted. Ensure that the valve protection device (where provided) is correctly fitted. Ensure adequate ventilation. Ensure compliance with applicable regulations.			
10 STABILITY AND	10 STABILITY AND REACTIVITY			15 REGULATORY INFORMATION		
<b>Stability and reactivity</b> Can form explosive mixture with air. May react violently with oxidants.			Further national regulations Pressure Vessel Regulation			
11 TOXICOLOGICAL INFORMATION			Gefahrstoffverordnung (GefStoffV) Technische Regeln für Gefahrstoffe (TRGS)			
<b>General</b> No known toxicological effects from this product.			Regulations for the prevention of industrial accidents <b>Water pollution class</b> Not polluting to waters according to VwVwS from 17.05.99.			
			TA-Luft Not classified acc	ording to TA-Luft.		
12 ECOLOGICAL IN	FURMATION			-		
General No known ecological damage caused by this product.			<b>16 OTHER INFORMATION</b> Ensure all national/local regulations are observed. Ensure operators understand the flammability hazard. The hazard of asphyxiation is often overlooked and must be stressed during operator training.			
13 DISPOSAL CONSIDERATIONS						
explosive mixture with suitable burner with fl		flared through a lischarge into any	Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out. <b>Advice</b> 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. Details given in this document are believed to be correct at the time of going to press. <b>Further information</b>			
ADR/RID			Linde safety advic			
Class	2 Classification	Code 1F	No. 3 O	xygen deficiency		
UN number and prop UN 1971 Methane, co UN 1971 Methane, co	<b>er shipping name</b> mpressed			afe handling of gas cy ansport of gas recept	linders and cylinder bundles acles in vehicles	
Labels Packing Instruction	2.1 Hazard numl P200	ber 23	End of documen	t		