THE LINDE GROUP



Safety data sheet Acetylene, dissolved.

Creation date : Revision date :	27.01.2005 14.01.2010	Version : 1.3	DE / E	SDS No. : 8364 page 1 / 2
OF THE COMPAN Product name Acetylene, dissolved. Chemical formula C2 Known uses Not known. Company identificati Linde AG, Linde Gas D E-Mail Adress Direkt@ Emergency phone nu 2 HAZARDS IDENT Classification Heating may cause an Explosive with or withou	H2 on Division, Seitnerstraße 70, D-8 ⊉de.linde-gas.com Imbers (24h): 089-7446-0 IFICATION explosion.	7 HANDLIN Handling Ensure equip the container introducing g suitable for Contact your sources (inclu- instructions. Storage Secure cylind in a well vent oxidants in s 280 Ziffer 5"	r must be prevented. Po as. Use only properly s this product, its supply gas supplier if in doul uding static discharges). lers to prevent them fallin tilated place. Segregate f	hed. Suck back of water into urge air from system before specified equipment which is pressure and temperature. bt. Keep away from ignition Refer to supplier's handling g. Keep container below 50°C from oxidant gases and other he Regeln Druckgase (TRG)
Extremely flammable. Risk advice to man a Dissolved gas 3 COMPOSITION/IN Substance/Preparatic Components/Impuriti CAS Nr: 74-86-2	IFORMATION ON INGREDIE on: Substance.	ENTS Personal pro Ensure adequ Wear suitable suitable filter	stection uate ventilation. Do not s	moke while handling product. protection. Wear goggles with g/welding.
EEC Nr (from EINECS	ponents or impurities which oduct.	Odour: Garlie Important inf	Colour: Colourless gas.	rties at low concentrations. Int, health and safety
include loss of mobility asphyxiation. In low Symptoms may include ordination. Remove v contained breathing and doctor. Apply artificial in Ingestion	s may cause asphyxiation. y/consciousness. Victim may concentrations may cause e dizziness, headache, nause victim to uncontaminated ar oparatus. Keep victim warm a respiration if breathing stoppe ered a potential route of expo	Symptoms may not be aware of narcotic effects. aa and loss of co- rea wearing self ind rested. Call a ed. Solubility mg Maximum fill	t: -80,8 °C point: -84 °C perature: 35,2 °C temperature: 325 °C r range: 2,4 %(V) - 88 %(le.
Hazardous combusti	ause containers to rupture/ex on products n may form carbon monoxide. g media	plode. splode. splode. splode. Stability and Can form ex high tempera Forms explose	reactivity plosive mixture with air. ture and/or pressure or sive acetylides with coppe ontaining more than 70%	May decompose violently at in the presence of a catalyst er, silver and mercury. Do not 5 copper. May react violently
Specific methods If possible, stop flow flame unless absolu ignition may occur. Special protective eq	of product. Do not extinguis tely necessary. Spontaneo uipment for fire fighters	sh a leaking gas us/explosive re- No known tox	OGICAL INFORMATION	
	self-contained breathing appa LEASE MEASURES	No known eco	ological damage caused b	by this product.
		ering area unless Ensure adequate Do not disch explosive mix suitable burne	arge into areas where t kture with air. Waste gas er with flash back arresto	here is a risk of forming an s should be flared through a or. Do not discharge into any e dangerous. Contact supplier

place where its accumulation could be dangerous. Contact supplier

if guidance is required.

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EWC Nr. 16 05 04*



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14 TRANSPORT INFORMATION ADR/RID Class **Classification Code** 4F 2 UN number and proper shipping name UN 1001 Acetylene, dissolved UN 1001 Acetylene, dissolved Labels 2.1 Hazard number 239 **Packing Instruction** P200 IMDG Class 2.1 UN number and proper shipping name UN 1001 Acetylene, dissolved Labels 2.1 **Packing Instruction** P200 FmS FD, SU ΙΑΤΑ Class 2.1 UN number and proper shipping name UN 1001 Acetylene, dissolved Labels 2.1 Packing Instruction P200 Other transport information 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.

15 REGULATORY INFORMATION

Number in Annex I of Dir 67/548 601-015-00-0 EC Classification F+; R12, R5, R6

Labelling - Symbols		
F+	Extremely flammable.	
- Risk Phras	es	
R5	Heating may cause an explosion.	
R6	Explosive with or without contact with air.	
R12	Extremely flammable.	
- Safety Phrases		
S9	Keep container in well ventilated place.	
S16	Keep away from ignition source - No smoking.	
S33	Take precautionary measures against static discharges.	
S7	Keep container tightly closed.	

Further national regulations

Pressure Vessel Regulation Regulations for the prevention of industrial accidents Gefahrstoffverordnung (GefStoffV) Technische Regeln für Gefahrstoffe (TRGS) **Water pollution class** Not polluting to waters according to VwVwS from 17.05.99. **TA-Luft**

Not classified according to TA-Luft.

16 OTHER INFORMATION

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. Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out.

Advice

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.

Further informations

Linde safety adivce

- No. 2
 Handling of gas cylinders at and after fire / heat exposure

 No. 3
 Oxygen deficiency
- No. 7 Safe handling of gas cylinders and cylinder bundles
- No. 10 Handling of acetylene
- No. 11 Transport of gas receptacles in vehicles

End of document