



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Name of product Kühlmittel joke-Spezial

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Sector of uses [SU]

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

Uses advised against

Remark

Do not use for injecting or spraying.

Recommended intended purpose(s)

Coolant for welding machines

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor

joke Technology GmbH
Asselborner Weg 14-16, D-51429 Bergisch Gladbach
Phone +49 (0) 2204 - 839 - 0, Fax +49 (0) 2204 - 839 - 60
E-Mail info@joke.de
Internet www.joke.de

Advice

Markus Abstoss
Phone +49 (0) 2204 - 839 - 577
Fax +49 (0) 2204 - 839 - 60
E-mail (competent person):
m.abstoss@joke.de

1.4. Emergency telephone number

Emergency advice

Vergiftungs-I-Z. Freiburg
Phone +49 (0) 7 61 - 1 92 40
REACH and CLP UK CA Help Desk; Telephone: +44
171 635 9191

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
--------------------------------------	-------------------	--------------------------

Flam. Liq. 3	H226	
Eye Irrit. 2	H319	

Hazard statements for physical hazards

H226 Flammable liquid and vapour.

Hazard statements for health hazards

H319 Causes serious eye irritation.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS02



GHS07

Signal word

Warning

Hazard statements for physical hazards

H226 Flammable liquid and vapour.

Hazard statements for health hazards

H319 Causes serious eye irritation.

Precautionary Statements

General

P102 Keep out of reach of children.

Prevention

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P281 Use personal protective equipment as required.

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

Disposal

P501 Dispose of contents and containers in accordance with local, regional, national and international regulations.

2.3. Other hazards

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
71-23-8	200-746-9	propan-1-ol	< 15	Flam. Liq. 2, H225 / Eye Dam. 1, H318 / STOT SE 3, H336
107-21-1	203-473-3	ethanediol	< 25	Acute Tox. 4, H302



SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately and dispose it safely.

In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off with soap and water.

Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

Do not induce vomiting.

If swallowed seek medical advice immediately and show the doctor packing or label.

Rinse out mouth and give plenty of water to drink.

4.2. Most important symptoms and effects, both acute and delayed

Physician's information / possible symptoms

The following symptoms may occur:

Unconsciousness

vomiting

Dizziness

4.3. Indication of any immediate medical attention and special treatment needed

Treatment (Advice to doctor)

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam

Dry fire-extinguishing substance

Carbon dioxide

Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In fires, hazardous combustion gases are formed:

Carbon monoxide (CO)

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Do not inhale explosion and/or combustion gases.

Additional information

Cool endangered containers with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.



SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation.
Use personal protective clothing.
Use breathing apparatus if exposed to vapours/dust/aerosol.

For emergency responders

Use personal protective clothing.
Use breathing apparatus if exposed to vapours/dust/aerosol.
High risk of slipping due to leakage/spillage of product.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.
In case of pollution of waters or sewers, inform the competent authorities.
Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).
Flush away residues with water.
After taking up the material dispose according to regulation.

Additional Information

Informations for safe handling see chapter 7.
Informations for personal protective equipment see chapter 8.
Informations for disposal see chapter 13.

6.4. Reference to other sections

Safe handling: see section 7
Disposal: see section 13
Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Open and handle container with care!

General protective measures

Avoid contact with eyes and skin
Do not inhale aerosols

Hygiene measures

At work do not eat, drink, smoke or take drugs.
Remove soiled or soaked clothing immediately.
Work in rooms with good ventilation.
Wash hands before breaks and after work.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking
Vapours can form an explosive mixture with air.



7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in original container.

Advice on storage compatibility

Do not store together with food.

Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Protect from heat and direct solar radiation.

Do not keep containers unlocked.

Protect from heat/overheating.

Information on storage stability

No information available.

Storage group No storage classification.

7.3. Specific end use(s)

Recommendation(s) for intended use

See section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2004/37/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m ³]	[ppm]	Remark
107-21-1	ethanediol	8 hours	52	20	skin
		Short-term	104	40	

Additional advice

The national and local legal regulations are to be observed.

8.2. Exposure controls

Respiratory protection

Environment-independent breathing apparatus.

Hand protection

impermeable gloves

Eye protection

tightly fitting goggles

Other protection measures

Light protective clothing.

Limitation and surveillance of the environment

Take appropriate protective measures to limit or prevent emissions.

Appropriate engineering controls

ventilation system



	Value	Temperature	at	Method	Remark
Solvent separation test	not determined				
Water content	No data available				
Oxidising properties	no				
Explosive properties	The product is not explosive.				
9.2. Other information	No information available.				

SECTION 10: Stability and reactivity

10.1. Reactivity

no

10.2. Chemical stability

stable

10.3. Possibility of hazardous reactions

Danger of explosion.

Reactions with acids.

10.4. Conditions to avoid

High temperatures, ignition sources, incompatible materials

10.5. Incompatible materials

Substances to avoid

Alkali metals

Alkaline earth metal

Acid

Oxidising agent

10.6. Hazardous decomposition products

In case of fire: carbon monoxide and carbon dioxide.

Flammable gases/vapours

Carbonyl fluoride

Carbonyl bromide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	8879 mg/kg	rat		Gemisch (errechnet)



	Value/Validation	Species	Method	Remark
Skin irritation	low irritant effect - not necessary to label			
Eye irritation	irritant			
Skin sensitization	non-sensitizing			
Sensitization respiratory system	No information available.			

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Mutagenicity				No information available.
Reproduction-Toxicity				No information available.
Carcinogenicity				No information available.
Specific target organ toxicity (single exposure)	No information available.			
Specific target organ toxicity (repeated exposure)	No information available.			
Aspiration hazard	No information available.			
Toxicity test (Additional information)	No information available.			
Experiences made from practice	Vapors / aerosols may have an anesthetic effect on the central nervous system when inhaled at a high concentration.			

SECTION 12: Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Biological degradability	83 - 92 % (28 d) CAS-Nr. 71-23-8		OECD 301 F	readily degradable
Biological eliminability	No data available			
Degradability according to WRMG	No data available			

12.3. Bioaccumulative potential

no



12.4. Mobility in soil

Absorption on the ground is not expected.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

Environmental hazards due to improper handling or disposal are not excluded.

Behaviour in sewage plant

No information available.

General regulation

Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

15 01 02

Name of waste

plastic packaging

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Recommended cleansing agent

water

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

14.6. Special precautions for user

no

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations.

Marine transport IMDG

No dangerous goods as defined by these transport regulations.

