



Klima Cleaner 250 ml

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1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Klima Cleaner 250 ml – Art. 961105

Use of the substance/preparation

Water based cleaner for air-conditioning units

Company/undertaking identification

Company name: einszett North America
MIMAN Corp.

Street: 16238 Ranch Rd. 620 N, F224

Place: Austin, Texas 78717 USA

Telephone: +1 (512) 377 1336 Fax: +1 (512) 354 7458

e-mail: support@1z-usa.com

Contact person: Michael Mankarious

Internet: www.1z-usa.com

Emergency telephone: +49 171 9939555 (Germany)

2. Hazards identification

Classification

Indications of danger : Extremely flammable

R-phrases :

Extremely flammable.

Explication of special hazards for human health and environment

In use, may form flammable/explosive vapor-air mixture.

3. Composition/information on ingredients

Chemical characterization (Mixture)

Mixture of substances listed below with nonhazardous additions.

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
200-661-7	67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	10 - 15 %	F, Xi R11-36-67

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures

General information

If victim is at risk of losing consciousness, position and transport on their side. Provide fresh air.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

After contact with skin, wash immediately with: Water and soap.

After contact with eyes

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

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After ingestion

Give nothing to eat or drink. Do not induce vomiting.

Advice to doctor

Hazards identification: Lung irritation.

5. Fire-fighting measures

Suitable extinguishing media

Extinguishing powder. Carbon dioxide (CO₂). Sand.

Extinguishing media which must not be used for safety reasons

High power water jet.

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

In case of fire and/or explosion do not breathe fumes. Can be released in case of fire: Carbon dioxide (CO₂). Carbon monoxide.

Special protective equipment for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Extinguishing materials should be selected according to the surrounding area.

6. Accidental release measures

Personal precautions

Provide adequate ventilation. Keep away from unprotected people. Keep upwind. Wear personal protection equipment.

Environmental precautions

Spilled product must not leak into the ground. Do not empty into drains or the aquatic environment. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

Methods for cleaning up/taking up

Suitable absorbing material: saw dust. Do not rinse down with water.

7. Handling and storageHandling

Advice on safe handling

Provide for sufficient ventilation and puncture suction at critical points.

Advice on protection against fire and explosion

In case of open handling, use devices with built-in suction where possible. Product is: Highly flammable.

Further information on handling

Avoid contact with skin and eyes.

Take precautionary measures against static discharges.

Storage

Requirements for storage rooms and vessels

Store only in original container.

Advice on storage compatibility

Keep away from food, drink and animal feed.

Further information on storage conditions

Suitable material for floor covering: Solvent-proof.

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Storage class (VCI): 2B

8. Exposure controls/personal protection

Exposure limit values

Exposure limits (EH40)

CAS-No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

Exposure controls



Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace.

Respiratory protection

Respiratory protection required in case of: Insufficient absorption. und prolonged action.

Hand protection

Tested protective gloves are to be worn:

PVC (Polyvinyl chloride). (0,7 mm)

Butyl rubber. (0,7 mm)

Eye protection

Suitable eye protection: Tightly sealed safety glasses.

Skin protection

Protective clothing: Lab apron.

9. Physical and chemical properties

General information

Physical state: liquid
 Color: colorless
 Odor: fresh

Important health, safety and environmental information

	Test method
pH-Value (at 20 °C):	8 DIN 19268
Changes in the physical state	
Boiling point:	100 °C DIN 53171
Flash point:	> 80 °C DIN 51755
Explosive properties	
not Explosive.	
Oxidizing properties	
not oxidizing.	

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Vapor pressure: (at 20 °C)	23 hPa	DIN 51640
Density (at 20 °C):	0,97 g/cm ³	DIN 51757
Partition coefficient:	Undetermined.	
Flow time:	> 30 s (3 mm)	3 DIN EN ISO 2431
Vapor density:	Undetermined.	

10. Stability and reactivity

Conditions to avoid

In case of warming: Risk of self ignition. Danger of bursting container.

Materials to avoid

Oxidizing agents.

Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

11. Toxicological information**12. Ecological information**

Ecotoxicity

Acute fish toxicity LC50: 1-10 mg/L (96 h) species: Leuciscus idus Method: OECD 203 Alcohol, ethoxyliert

Acute Daphnia toxicity EC50: 1-10 mg/L (48 h) species: Daphnia magna Method: OECD 202 Alcohol, ethoxyliert

Algae toxicity IC50: 10-100 g/cm³ (72 h) species: Scenedesmus subspicatus Method: OECD 201 Alcohol, ethoxyliert

Other adverse effects

AOX: The product contains no organically bound Halogen.

13. Disposal considerations

Advice on disposal

Carry out a burning of hazardous waste according to official regulations.

Waste disposal number of waste from residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing dangerous substances
Classified as hazardous waste.**14. Transport information**Land transport (ADR/RID)

UN number:	1950
ADR/RID class:	2
Classification code:	5F
Warning plate	
Hazard label:	2.1
Limited quantity:	LQ2

Description of the goods

AEROSOLS

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Other applicable information (land transport)

: 190 - 327 - 625

: 2

: B1D

15. Regulatory information

Labeling

Danger symbols: F+ - Extremely flammable



F+ - Extremely flammable

Hazardous component(s) to be indicated on label
propan-2-ol; isopropyl alcohol; isopropanol

R phrases

12 Extremely flammable.

S phrases

23 Do not breathe Aerosol.

51 Use only in well-ventilated areas.

Special labeling for certain preparations

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Additional advice on labeling

Product is classified and labeled in accordance with EC regulations or the corresponding national laws.

EU regulatory information

1999/13/EC (VOC): ca. 15 %

Additional information

Sources of the most important data: 2001/118/EG, 1999/45/EG, 91/155/EWG, 67/548/EWG, GefStoffV, WRMG, WHG, TRG 300, TRGS 200, TRGS 220, ADR 2007, IMDG-Code

National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class (D): 1 - slightly water contaminating

Additional information

Observe regulation 98/24/EC for employee health protection against the threat of chemical substances in the workplace.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

11 Highly flammable.

12 Extremely flammable.

36 Irritating to eyes.

67 Vapors may cause drowsiness and dizziness.



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Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is solely responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)