

Silber Spray

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

Identification of the substance or preparation

Silber Spray – Art. 970330

Use of the substance/preparation

Paint, Varnish / Aerosol propellant.

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, Highly flammable, Irritant

R-phrases :

Extremely flammable.

Irritating to eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

Explication of special hazards for human health and environment

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Caution! Container under pressure.

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
200-662-2	67-64-1	acetone; propan-2-one; propanone	25-50 %	F, Xi R11-36-66-67
203-603-9	108-65-6	2-methoxy-1-methylethyl acetate	2,5-10 %	Xi R10-36
215-535-7	1330-20-7	xylene	1 - 5 %	Xn, Xi R10-20/21-38
265-198-5	64742-94-5	Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom.	1 - 5 %	Xn R65
200-751-6	71-36-3	butan-1-ol; n-butanol	1 - 5 %	Xn, Xi R10-22-37/38-41-67
265-199-0	64742-95-6	Solvent naphtha (petroleum), light arom.	< 1 %	Xn, N R10-51-53-65-66-67

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

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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

Provide fresh air. Seek medical attention if problems persist.

After contact with skin

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

After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if problems persist.

After ingestion

Rinse mouth immediately and drink large quantities of water. Consult physician.

Advice to doctor

Hazards identification: Lung irritation.

5. Fire-fighting measures**Suitable extinguishing media**

Extinguishing powder. Carbon dioxide (CO₂). Sand. Do not use water.

Extinguishing media which must not be used for safety reasons

Water.

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

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: Kieselguhr. Do not rinse down with water.

7. Handling and storage**Handling****Advice on safe handling**

Handle and open container with care.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static

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discharges.

Further information on handling

Avoid contact with skin and eyes.

Take precautionary measures against static discharges.

Storage**Requirements for storage rooms and vessels**

Keep in a cool, well-ventilated place.

Advice on storage compatibility

No special handling instructions are necessary.

Further information on storage conditions

Keep container tightly closed.

Protect against: heat. UV-radiation/sunlight.

Storageclass (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
108-65-6	1-Methoxypropyl acetate	50	274		TWA (8 h)	WEL
		100	548		STEL (15 min)	WEL
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL
7429-90-5	Aluminium metal, respirable dust	-	4		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
71-36-3	Butan-1-ol	-	-		TWA (8 h)	WEL
		50	154		STEL (15 min)	WEL
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
		200	966		STEL (15 min)	WEL
1330-20-7	Xylene, o-, m-, p- or mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

Exposure controls**Protective and hygiene measures**

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work.

Take off immediately all contaminated clothing.

Respiratory protection

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

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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: Aerosol
 Colour: colourless
 Odour: characteristic

Important health, safety and environmental information

	Test method
pH-Value:	Not applicable.
Changes in the physical state	
Melting point:	Undetermined.
Boiling point:	Not applicable, as aerosol.
Flash point:	Not applicable, as aerosol.
Explosive properties	
In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.	
Lower explosion limits:	1,2 vol. %
Upper explosion limits:	13,0 vol. %
Oxidizing properties	
not oxidizing.	
Vapour pressure: (at 20 °C)	8300 hPa
Density (at 20 °C):	0,798 g/cm ³ DIN 51757
Water solubility:	virtually insoluble
Partition coefficient:	Undetermined.
Flow time:	40 3 DIN EN ISO 2431
Vapour density:	Undetermined.

Other information

Product is not selfigniting.

10. Stability and reactivity

Conditions to avoid

No decomposition if used according to specifications.

Materials to avoid

Oxidizing agents.

Hazardous decomposition products

No dangerous decomposition products known.

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11. Toxicological information

Acute toxicity

Acute toxicity, oral LD50: 5800 mg/kg species: Rat. (Aceton)
 Acute toxicity, dermal LD50:20000 mg/kg species: Rabbit. (Aceton)

Corrosive and irritant effects

Irritant effect on the eye: irritant.
 Irritant effect on the skin: Not an irritant.

Sensitising effects

no danger of sensitization.

12. Ecological information

Other adverse effects

AOX: The product contains no organically bound Halogen.

Further information

Do not empty into drains or the aquatic environment.

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

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
 Classified as hazardous waste.

Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

14. Transport information

Land transport (ADR/RID)

UN number:	1950
ADR/RID class:	2
Classification code:	5F
Warning plate	
Hazard-no.:	20
Hazard label:	2.1
Limited quantity:	LQ2

Description of the goods

AEROSOLS

Other applicable information (land transport)

: 190 - 327 - 625
 : 2
 : B1D

Marine transport

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UN number:	1950
IMDG code:	2.1
Marine pollutant:	Nein
IMDG packing group:	-
EmS:	F-D,S-U

Description of the goods
AEROSOLS

Air transport

UN/ID number:	1950
ICAO/IATA-DGR:	2.1
Hazard label:	2.1
ICAO packing group:	-

Description of the goods
AEROSOLS, flammable

15. Regulatory information

Labelling

Danger symbols:

F+ - Extremely flammable; Xi - Irritant



F+ - Extremely flammable



Xi - Irritant

R phrases

12	Extremely flammable.
36	Irritating to eyes.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

S phrases

02	Keep out of the reach of children.
16	Keep away from sources of ignition - No smoking.
23	Do not breathe Aerosol .
25	Avoid contact with eyes.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
51	Use only in well-ventilated areas.
60	This material and its container must be disposed of as hazardous waste.

Special labelling 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 labelling

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

EU regulatory information

1999/13/EC (VOC):	ca. 90 % = 720 g/L
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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): 2 - 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

10	Flammable.
11	Highly flammable.
12	Extremely flammable.
20/21	Harmful by inhalation and in contact with skin.
22	Harmful if swallowed.
36	Irritating to eyes.
37/38	Irritating to respiratory system and skin.
38	Irritating to skin.
41	Risk of serious damage to eyes.
51	Toxic to aquatic organisms.
53	May cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

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 singularly 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.)