

Page 1 of 20
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 31.10.2012 / 0013
Replaces revision of / Version: 19.01.2011 / 0012
Valid from: 31.10.2012
PDF print date: 31.10.2012
Glanz-Zink-Spray 400ML Art.: 1640

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

Glanz-Zink-Spray 400ML
Art.: 1640

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

Paint

Sector of use [SU]:

SU 3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

SU21 - Consumer uses: Private households (=general public = consumers)

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Chemical product category [PC]:

PC 9a - Coatings and paints, thinners, paint removers

Process category [PROC]:

PROC 7 - Industrial spraying

PROC 9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

PROC11 - Non industrial spraying

Article Categories [AC]:

AC99 - Not required.

Environmental Release Category [ERC]:

ERC 4 - Industrial use of processing aids in processes and products, not becoming part of articles

ERC 8a - Wide dispersive indoor use of processing aids in open systems

ERC 8c - Wide dispersive indoor use resulting in inclusion into or onto a matrix

ERC 8d - Wide dispersive outdoor use of processing aids in open systems

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH, Jerg-Wieland-Straße 4, D-89081 Ulm-Lehr

Telephone (+49) 0731-1420-0, Fax (+49) 0731-1420-88

E-mail address of the competent person: info@chemical-check.de, k.schnurbusch@chemical-check.de

1.4 Emergency telephone

Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

Tel.: (+49) 0731-1420-0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) 1272/2008 (CLP)

Not determined

2.1.2 Classification according to Directives 67/548/EEC and 1999/45/EC (including amendments)

F+, Extremely flammable

Xi, Irritant, R36

N, Dangerous for the environment, R51-53

R66

Page 2 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 31.10.2012 / 0013
 Replaces revision of / Version: 19.01.2011 / 0012
 Valid from: 31.10.2012
 PDF print date: 31.10.2012
 Glanz-Zink-Spray 400ML Art.: 1640

R67

2.2 Label elements

2.2.1 Labeling according to Regulation (EC) 1272/2008 (CLP)

Not determined

2.2.2 Labeling according to Directives 67/548/EEC and 1999/45/EC (including amendments)



Symbols: F+/Xi/N
 Indications of danger:
 Extremely flammable
 Irritant
 Dangerous for the environment
 R-phrases:
 36 Irritating to eyes.
 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 66 Repeated exposure may cause skin dryness or cracking.
 67 Vapours may cause drowsiness and dizziness.
 S-phrases:
 23 Do not breathe vapour/spray.
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 29/35 Do not empty into drains
 dispose of this material and its container in a safe way.
 46 If swallowed, seek medical advice immediately and show this container or label.
 51 Use only in well-ventilated areas.
 61 Avoid release to the environment. Refer to special instructions/Safety data sheets.
 Additions:
 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.
 Without adequate ventilation, formation of explosive mixtures may be possible.

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006.
 The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.
 Hazardous to drinking water, on escape of even small quantities.

SECTION 3: Composition/information on ingredients

Aerosol

3.1 Substance

n.a.

3.2 Mixture

Zinc powder - zinc dust (stabilized)	
Registration number (REACH)	--
Index	030-001-01-9
EINECS, ELINCS, NLP	231-175-3
CAS	CAS 7440-66-6
content %	10-<25
Classification according to Directive 67/548/EEC	Dangerous for the environment, N, R50 Dangerous for the environment, R53
Classification according to Regulation (EC) 1272/2008 (CLP)	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)

Page 3 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 31.10.2012 / 0013
 Replaces revision of / Version: 19.01.2011 / 0012
 Valid from: 31.10.2012
 PDF print date: 31.10.2012
 Glanz-Zink-Spray 400ML Art.: 1640

Acetone	Substance for which an EU exposure limit value applies.
Registration number (REACH)	01-2119471330-49-XXXX
Index	606-001-00-8
EINECS, ELINCS, NLP	200-662-2
CAS	CAS 67-64-1
content %	1-<20
Classification according to Directive 67/548/EEC	Highly flammable, F, R11 Irritant, Xi, R36 R66 R67
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Ethyl acetate	
Registration number (REACH)	--
Index	607-022-00-5
EINECS, ELINCS, NLP	205-500-4
CAS	CAS 141-78-6
content %	1-<20
Classification according to Directive 67/548/EEC	Highly flammable, F, R11 Irritant, Xi, R36 R66 R67
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Xylene (mixture of isomers)	Substance for which an EU exposure limit value applies.
Registration number (REACH)	01-2119488216-32-XXXX
Index	601-022-00-9
EINECS, ELINCS, NLP	215-535-7
CAS	CAS 1330-20-7
content %	1-<12,5
Classification according to Directive 67/548/EEC	Flammable, R10 Harmful, Xn, R20/21 Irritant, Xi, R38
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226 Acute Tox. 4, H332 Acute Tox. 4, H312 Skin Irrit. 2, H315

2-methoxy-1-methylethyl acetate	Substance for which an EU exposure limit value applies.
Registration number (REACH)	01-2119475791-29-XXXX
Index	607-195-00-7
EINECS, ELINCS, NLP	203-603-9
CAS	CAS 108-65-6
content %	1-5
Classification according to Directive 67/548/EEC	Flammable, R10
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226

Naphtha (petroleum), hydrotreated heavy	
Registration number (REACH)	--
Index	649-327-00-6
EINECS, ELINCS, NLP	265-150-3
CAS	CAS 64742-48-9
content %	1-5
Classification according to Directive 67/548/EEC	Flammable, R10 Harmful, Xn, R65 R66
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226 Asp. Tox. 1, H304

Solvent naphtha (petroleum), light arom.	

Page 4 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 31.10.2012 / 0013
 Replaces revision of / Version: 19.01.2011 / 0012
 Valid from: 31.10.2012
 PDF print date: 31.10.2012
 Glanz-Zink-Spray 400ML Art.: 1640

Registration number (REACH)	--
Index	649-356-00-4
EINECS, ELINCS, NLP	265-199-0
CAS	CAS 64742-95-6
content %	0,1-<1
Classification according to Directive 67/548/EEC	Flammable, R10 Harmful, Xn, R20 36/3738 Dangerous for the environment, N, R51 Dangerous for the environment, R53 Harmful, Xn, R65
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226 Acute Tox. 4, H332 Eye Irrit. 2, H319 Skin Irrit. 2, H315 STOT SE 3, H335 Asp. Tox. 1, H304

For the text of the R-phrases / H-phrases and classification codes (GHS/CLP), see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

Remove person from danger area.
 Supply person with fresh air and consult doctor according to symptoms.
 If the person is unconscious, place in a stable side position and consult a doctor.

Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact

Remove contact lenses.
 Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Call doctor immediately - have Data Sheet available.
 Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

Coughing
 Headaches
 Effects/damages the central nervous system
 Dermatitis (skin inflammation)
 Other dangerous properties cannot be ruled out.

4.3 Indication of any immediate medical attention and special treatment needed

n.c.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam
 Water jet spray
 CO2
 Extinction powder
 Cool container at risk with water.

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

Page 5 of 20
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 31.10.2012 / 0013
Replaces revision of / Version: 19.01.2011 / 0012
Valid from: 31.10.2012
PDF print date: 31.10.2012
Glanz-Zink-Spray 400ML Art.: 1640

In case of fire the following can develop:

Zinc oxide
Oxides of carbon
Toxic gases
Danger of bursting (explosion) when heated
Explosive vapour/air mixture
Dangerous vapours heavier than air.

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.
Protective respirator with independent air supply.
Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove possible causes of ignition - do not smoke.
Ensure sufficient supply of air.
Avoid inhalation, and contact with eyes or skin.
If applicable, caution - risk of slipping

6.2 Environmental precautions

Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous.
Prevent surface and ground-water infiltration, as well as ground penetration.

6.3 Methods and material for containment and cleaning up

If spray or gas escapes, ensure ample fresh air is available.
Without adequate ventilation, formation of explosive mixtures may be possible.
Active substance:

Soak up with absorbent material (e.g. universal binding agent) and dispose of according to Section 13.
Do not wash away with water or watery cleaning agents.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Ensure good ventilation.
Room ventilation also at ground level.
Avoid inhalation of the vapours.
Keep away from sources of ignition - Do not smoke.
Take measures against electrostatic charging, if appropriate.
Do not use on hot surfaces.
Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
Observe directions on label and instructions for use.
Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.
Not to be stored in gangways or stair wells.
Store product closed and only in original packing.
Do not store with oxidizing agents.
Observe special regulations for aerosols!
Observe special storage conditions (in Germany, e.g., in accordance with the regulations in the "Betriebssicherheitsverordnung").
Keep protected from direct sunlight and temperatures over 50°C.
Store in a well ventilated place.

7.3 Specific end use(s)

Ⓢ

Page 6 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 31.10.2012 / 0013
 Replaces revision of / Version: 19.01.2011 / 0012
 Valid from: 31.10.2012
 PDF print date: 31.10.2012
 Glanz-Zink-Spray 400ML Art.: 1640

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ⓢ	Chemical Name	Acetone	Content %:1-<20
	WEL-TWA:	500 ppm (1210 mg/m3) (WEL, EU)	WEL-STEL: 1500 ppm (3620 mg/m3) (WEL) ---
	BMGV:	---	Other information: ---
Ⓢ	Chemical Name	Ethyl acetate	Content %:1-<20
	WEL-TWA:	200 ppm	WEL-STEL: 400 ppm ---
	BMGV:	---	Other information: ---
Ⓢ	Chemical Name	Xylene (mixture of isomers)	Content %:1-<12,5
	WEL-TWA:	50 ppm (220 mg/m3) (WEL), 50 ppm (221 mg/m3) (EU)	WEL-STEL: 100 ppm (441 mg/m3) (WEL), 100 ppm (442 mg/m3) (EU) ---
	BMGV:	650 mmol methyl hippuric acid/mol creatinine in urine, post shift (Xylene, o-, m-, p- or mixed isomers) (BMGV)	Other information: Sk (WEL)
Ⓢ	Chemical Name	2-methoxy-1-methylethyl acetate	Content %:1-5
	WEL-TWA:	50 ppm (274 mg/m3) (WEL), 50 ppm (275 mg/m3) (EU)	WEL-STEL: 100 ppm (548 mg/m3) (WEL), 100 ppm (550 mg/m3) (EU) ---
	BMGV:	---	Other information: Sk (WEL)
Ⓢ	Chemical Name	Naphtha (petroleum), hydrotreated heavy	Content %:1-5
	WEL-TWA:	1200 mg/m3 (>= C7 normal and branched chain alkanes)	WEL-STEL: --- ---
	BMGV:	---	Other information: ---
Ⓢ	Chemical Name	Solvent naphtha (petroleum), light arom.	Content %:0,1-<1
	WEL-TWA:	500 mg/m3 (Aromatics)	WEL-STEL: --- ---
	BMGV:	---	Other information: ---
Ⓢ	Chemical Name	Butane	Content %:
	WEL-TWA:	600 ppm (1450 mg/m3)	WEL-STEL: 750 ppm (1810 mg/m3) ---
	BMGV:	---	Other information: ---
Ⓢ	Chemical Name	Propane	Content %:
	WEL-TWA:	1000 ppm (ACGIH)	WEL-STEL: --- ---
	BMGV:	---	Other information: ---
Ⓢ	Chemical Name	Aluminium powder (stabilised)	Content %:
	WEL-TWA:	10 mg/m3 (total inh. dust), 4 mg/m3 (resp. dust)	WEL-STEL: --- ---
	BMGV:	---	Other information: ---

Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40): 1000 mg/m3

Ⓢ WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

Zinc powder - zinc dust (stabilized)						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	5	mg/m3	
	Environment - freshwater		PNEC	20,6	µg/l	
	Environment - marine		PNEC	6,1	µg/l	

Page 7 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 31.10.2012 / 0013
 Replaces revision of / Version: 19.01.2011 / 0012
 Valid from: 31.10.2012
 PDF print date: 31.10.2012
 Glanz-Zink-Spray 400ML Art.: 1640

	Environment - sewage treatment plant		PNEC	52	µg/l	
	Environment - sediment, freshwater		PNEC	118	mg/kg	
	Environment - sediment, marine		PNEC	56,5	mg/kg	
	Environment - soil		PNEC	35,6	mg/kg	

2-methoxy-1-methylethyl acetate

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	153,5	mg/kg	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	275	mg/m ³	
Consumer	Human - dermal	Long term, systemic effects	DNEL	54,8	mg/kg	
Consumer	Human - oral	Long term, systemic effects	DNEL	1,67	mg/kg	
	Environment - freshwater		PNEC	0,635	mg/l	
	Environment - sediment, freshwater		PNEC	3,29	mg/kg	
	Environment - sediment, marine		PNEC	0,329	mg/kg	
	Environment - soil		PNEC	0,29	mg/kg	
	Environment - sewage treatment plant		PNEC	100	mg/l	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	33	mg/m ³	
	Environment - marine		PNEC	0,0635	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	6,35	mg/l	

Acetone

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - dermal	Long term	DNEL	186	mg/kg bw/day	
Workers / employees	Human - inhalation	Short term	DNEL	2420	mg/m ³	
Workers / employees	Human - inhalation	Long term	DNEL	1210	mg/m ³	
Consumer	Human - oral	Long term	DNEL	62	mg/kg bw/day	
Consumer	Human - dermal	Long term	DNEL	62	mg/kg bw/day	
Consumer	Human - inhalation	Long term	DNEL	200	mg/m ³	
	Environment - marine		PNEC	1,06	mg/l	
	Environment - freshwater		PNEC	10,6	mg/l	
	Environment - sediment, freshwater		PNEC	30,4	mg/l	
	Environment - sediment, marine		PNEC	3,04	mg/l	
	Environment - soil		PNEC	0,112	mg/l	
	Environment - sewage treatment plant		PNEC	19,5	mg/l	

Ethyl acetate

Page 8 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 31.10.2012 / 0013
 Replaces revision of / Version: 19.01.2011 / 0012
 Valid from: 31.10.2012
 PDF print date: 31.10.2012
 Glanz-Zink-Spray 400ML Art.: 1640

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	63	mg/kg	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	734	mg/m ³	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	734	mg/m ³	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	1468	mg/m ³	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	1468	mg/m ³	
Consumer	Human - oral	Long term, systemic effects	DNEL	4,5	mg/kg	
Consumer	Human - dermal	Long term, systemic effects	DNEL	37	mg/kg	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	367	mg/m ³	
Consumer	Human - inhalation	Long term, local effects	DNEL	367	mg/m ³	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	734	mg/m ³	
Consumer	Human - inhalation	Short term, local effects	DNEL	734	mg/m ³	
	Environment - freshwater		PNEC	0,26	mg/l	
	Environment - marine		PNEC	0,026	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	1,65	mg/l	
	Environment - sediment, freshwater		PNEC	1,25	mg/kg	
	Environment - sediment, marine		PNEC	0,125	mg/kg	
	Environment - soil		PNEC	0,24	mg/kg	
	Environment - sewage treatment plant		PNEC	650	mg/l	
	Environment - oral (animal feed)		PNEC	200	mg/kg	

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.
 If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
 Applies only if maximum permissible exposure values are listed here.

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.
 Wash hands before breaks and at end of work.
 Keep away from food, drink and animal feedingstuffs.
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:
 Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:
 Solvent resistant protective gloves (EN 374).
 Recommended
 Protective nitrile gloves (EN 374)
 With short-term contact:
 Protective gloves in butyl rubber (EN 374).
 Minimum layer thickness in mm:
 0,7
 Permeation time (penetration time) in minutes:
 max. 15

Page 9 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 31.10.2012 / 0013
 Replaces revision of / Version: 19.01.2011 / 0012
 Valid from: 31.10.2012
 PDF print date: 31.10.2012
 Glanz-Zink-Spray 400ML Art.: 1640

Protective hand cream recommended.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Respiratory protection:

If OES or MEL is exceeded.

Filter A P2 (EN 14387), code colour brown, white

At high concentrations:

Respiratory protection appliance (insulation device) (e.g. EN 137 or EN 138)

Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Aerosol, Substance: Liquid
Colour:	Silver
Odour:	Characteristic
Odour threshold:	Not determined
pH-value:	n.a.
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	-44 °C
Flash point:	<0 °C (Active substance)
Evaporation rate:	n.a.
Flammability (solid, gas):	Not determined
Lower explosive limit:	1,5 Vol-%
Upper explosive limit:	11,5 Vol-%
Vapour pressure:	3600 hPa (20°C)
Vapour density (air = 1):	Not determined
Density:	0,79 g/cm ³ (20°C)
Bulk density:	Not determined
Solubility(ies):	Not determined
Water solubility:	Not miscible
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	365 °C (Ignition temperature)
Auto-ignition temperature:	No
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Possible build up of explosive/highly flammable vapour/air mixture. Product is not explosive.
Oxidising properties:	No

9.2 Other information

Miscibility:	Not determined
Fat solubility / solvent:	Not determined
Conductivity:	Not determined
Surface tension:	Not determined
Solvents content:	77,7 (Organic solvents)

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 31.10.2012 / 0013
 Replaces revision of / Version: 19.01.2011 / 0012
 Valid from: 31.10.2012
 PDF print date: 31.10.2012
 Glanz-Zink-Spray 400ML Art.: 1640

SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested.

10.2 Chemical stability

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

See also section 7.

Heating, open flame, ignition sources

Pressure increase will result in danger of bursting.

10.5 Incompatible materials

See also section 7.

Avoid contact with oxidizing agents.

Avoid contact with strong alkalis.

Avoid contact with strong acids.

10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

SECTION 11: Toxicological information

Possibly more information on health effects, see Section 2.1 (classification).

Glanz-Zink-Spray 400ML

Art.: 1640

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Respiratory tract irritation:						n.d.a.
Repeated dose toxicity:						n.d.a.
Symptoms:						n.d.a.
Other information:						Classification according to calculation procedure.

Zinc powder - zinc dust (stabilized)

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat		
Acute toxicity, by inhalation:	LC50	>5410	mg/m ³ /4 h	Rat		

Page 11 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 31.10.2012 / 0013
 Replaces revision of / Version: 19.01.2011 / 0012
 Valid from: 31.10.2012
 PDF print date: 31.10.2012
 Glanz-Zink-Spray 400ML Art.: 1640

Symptoms:						respiratory distress, chest pain (thorax pain), fever, joint pain, heart/circulatory disorders, coughing, metal fume fever, muscle pains, mucous membrane irritation, chills, nausea and vomiting.
-----------	--	--	--	--	--	--

Acetone						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	3000	mg/kg	Mouse		
Acute toxicity, by oral route:	LD50	5800	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	20000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	32	mg/m3	Rat		
Skin corrosion/irritation:						Slightly irritant, Repeated exposure may cause skin dryness or cracking.
Serious eye damage/irritation:				Rabbit		Irritant
Respiratory or skin sensitisation:				Guinea pig		Not sensitising
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Carcinogenicity:						No indications of such an effect.
Symptoms:						unconsciousness, vomiting, headaches, gastrointestinal disturbances, fatigue, mucous membrane irritation, dizziness, nausea

Ethyl acetate						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	5620	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>18000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	>28,6	mg/l/4h	Rat		
Skin corrosion/irritation:		4	h	Rabbit		Not irritant, Repeated exposure may cause skin dryness or cracking.
Serious eye damage/irritation:						Irritant
Respiratory or skin sensitisation:						No indications of such an effect.
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative

Page 12 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 31.10.2012 / 0013
 Replaces revision of / Version: 19.01.2011 / 0012
 Valid from: 31.10.2012
 PDF print date: 31.10.2012
 Glanz-Zink-Spray 400ML Art.: 1640

Symptoms:						lack of appetite, breathing difficulties, dizziness, unconsciousness, drop in blood pressure, cornea opacity, coughing, headaches, gastrointestinal disturbances, intoxication, drowsiness, mucous membrane irritation, dizziness, salivation, nausea and vomiting.
-----------	--	--	--	--	--	---

Xylene (mixture of isomers)						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	2840	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>1700	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	21,7	mg/l/4h	Rat		Does not conform with EU classification., References
Skin corrosion/irritation:				Rabbit		Irritant
Serious eye damage/irritation:				Rabbit		Slightly irritant
Respiratory or skin sensitisation:					(Patch-Test)	Negative
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Symptoms:						breathing difficulties, drying of the skin., dizziness, unconsciousness, burning of the membranes of the nose and throat, vomiting, skin afflictions, heart/circulatory disorders, coughing, headaches, drowsiness, dizziness, nausea

2-methoxy-1-methylethyl acetate						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rabbit		
Acute toxicity, by oral route:	LD50	8532	mg/kg	Rat		
Acute toxicity, by inhalation:	LC50	>23,8	mg/l/6h	Rat		
Skin corrosion/irritation:				Rabbit		Not irritant
Serious eye damage/irritation:				Rabbit		Mild irritant
Respiratory or skin sensitisation:						Not sensitising
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	No indications of such an effect.
Symptoms:						respiratory distress, dizziness, unconsciousness, vomiting, headaches, mucous membrane irritation, dizziness, nausea

Naphtha (petroleum), hydrotreated heavy						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes

Page 14 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 31.10.2012 / 0013
 Replaces revision of / Version: 19.01.2011 / 0012
 Valid from: 31.10.2012
 PDF print date: 31.10.2012
 Glanz-Zink-Spray 400ML Art.: 1640

Persistence and degradability:							n.d.a.
Bioaccumulative potential:							n.d.a.
Mobility in soil:							n.d.a.
Results of PBT and vPvB assessment:							n.d.a.
Other adverse effects:							n.d.a.
Other information:							DOC-elimination degree(complexing organic substance)>= 80%/28d., n.a.
Other information:							According to the recipe, contains no AOX.

Zinc powder - zinc dust (stabilized)

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	0,238-0,56	mg/l	(Pimephales promelas)		
Toxicity to fish:	LC50	96h	0,238-0,56	mg/l	(Oncorhynchus mykiss)		
Toxicity to daphnia:	EC50	48h	2,8	mg/l	(Daphnia magna)		

Acetone

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	5540-8300	mg/l	(Lepomis macrochirus)		
Toxicity to fish:	LC50	96h	7500	mg/l	(Leuciscus idus)		
Toxicity to fish:	LC50	96h	5540	mg/l	(Oncorhynchus mykiss)		
Toxicity to daphnia:	EC50	48h	6100-12700	mg/l	(Daphnia magna)		
Toxicity to algae:	NOEC/NOEL	48h	3400	mg/l	(Pseudokirchneriella subcapitata)		
Toxicity to algae:	EC50	96h	7500	mg/l	(Selenastrum capricornutum)		
Toxicity to algae:	IC50	8d	7500	mg/l	(Scenedesmus quadricauda)		
Persistence and degradability:		28d	91	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	
Bioaccumulative potential:	Log Pow		-0,24				
Bioaccumulative potential:	BCF		0,19				
Mobility in soil:							No adsorption in soil.
Results of PBT and vPvB assessment:							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC5	16h	1700	mg/l	(Pseudomonas putida)		
Toxicity to bacteria:	EC5	8d	530	mg/l	(Microcystis aeruginosa)		
Other information:	AOX		0	%			
Other information:	BOD5		1900	mg/g			
Other information:	COD		2100	mg/g			

Ethyl acetate

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	230	g/m3	(Pimephales promelas)		
Toxicity to daphnia:	EC50	48h	610	mg/l	(Daphnia magna)		

Page 15 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 31.10.2012 / 0013
 Replaces revision of / Version: 19.01.2011 / 0012
 Valid from: 31.10.2012
 PDF print date: 31.10.2012
 Glanz-Zink-Spray 400ML Art.: 1640

Toxicity to algae:	NOEC/NO EL	96h	2000	mg/l	(Scenedesmus subspicatus)		
Toxicity to algae:	IC50	48h	3300	mg/l	(Scenedesmus subspicatus)		
Persistence and degradability:		28d	100	%		OECD 301 D (Ready Biodegradability - Closed Bottle Test)	
Persistence and degradability:		28d	93,9	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	
Bioaccumulative potential:	BCF		30				(Fish)
Bioaccumulative potential:	Log Pow		0,73				Bioaccumulation is unlikely (LogPow < 1).
Mobility in soil:	H (Henry)		0,00012	atm*m3/mol			
Results of PBT and vPvB assessment:							No PBT substance, No vPvB substance
Water solubility:			80	g/l			Mixable 25°C

Xylene (mixture of isomers)

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	8,2	mg/l	(Oncorhynchus mykiss)		
Toxicity to fish:	LC50	96h	86	mg/l	(Leuciscus idus)		
Toxicity to daphnia:	EC50	24h	75,5	mg/l	(Daphnia magna)		
Toxicity to algae:	IC50	72h	10	mg/l			
Persistence and degradability:							Readily biodegradable
Bioaccumulative potential:	Log Pow		>3				
Bioaccumulative potential:	BCF		0,6-15				

2-methoxy-1-methylethyl acetate

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	>100	mg/l	(Oryzias latipes)	OECD 203 (Fish, Acute Toxicity Test)	
Toxicity to fish:	LC50	96h	>100-180	mg/l	(Oncorhynchus mykiss)	OECD 203 (Fish, Acute Toxicity Test)	
Toxicity to daphnia:	EC50	48h	>500	mg/l	(Daphnia magna)		
Toxicity to algae:	EC50	72h	>1000	mg/l	(Selenastrum capricornutum)	OECD 201 (Alga, Growth Inhibition Test)	
Persistence and degradability:		10d	83	%		OECD 301 F (Ready Biodegradability - Manometric Respirometry Test)	Readily biodegradable
Bioaccumulative potential:	Log Pow		0,36-0,56				Bioaccumulation is unlikely (LogPow < 1).
Mobility in soil:	Koc		1,7				
Results of PBT and vPvB assessment:							No PBT substance, No vPvB substance

Page 16 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 31.10.2012 / 0013
 Replaces revision of / Version: 19.01.2011 / 0012
 Valid from: 31.10.2012
 PDF print date: 31.10.2012
 Glanz-Zink-Spray 400ML Art.: 1640

Toxicity to bacteria:	EC20	30min	>1000	mg/l	(activated sludge)	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Water solubility:			198	g/l			20°C

Naphtha (petroleum), hydrotreated heavy

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	>100	mg/l			
Toxicity to daphnia:	EC50	48h	>1000	mg/l	(Daphnia magna)		
Persistence and degradability:		28d	70	%			Readily biodegradable
Bioaccumulative potential:	Log Pow		5 - 6,7				

Solvent naphtha (petroleum), light arom.

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Water solubility:							Insoluble

Butane

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Bioaccumulative potential:	Log Pow		2,98				A notable biological accumulation potential is not to be expected (LogPow 1-3).
Results of PBT and vPvB assessment:							No PBT substance, No vPvB substance

Propane

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Bioaccumulative potential:	Log Pow		2,28				A notable biological accumulation potential is not to be expected (LogPow 1-3).
Results of PBT and vPvB assessment:							No PBT substance, No vPvB substance

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

16 05 04 gases in pressure containers (including halons) containing dangerous substances

08 01 11 waste paint and varnish containing organic solvents or other dangerous substances

Recommendation:

Pay attention to local and national official regulations

Take full aerosol cans to problem waste collection.

Take emptied aerosol cans to valuable material collection.

For contaminated packing material

Pay attention to local and national official regulations

Recommendation:

Do not perforate, cut up or weld uncleaned container.

15 01 04 metallic packaging

15 01 10 packaging containing residues of or contaminated by dangerous substances

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 31.10.2012 / 0013
 Replaces revision of / Version: 19.01.2011 / 0012
 Valid from: 31.10.2012
 PDF print date: 31.10.2012
 Glanz-Zink-Spray 400ML Art.: 1640

SECTION 14: Transport information

General statements

UN number: 1950

Transport by road/by rail (ADR/RID)

UN proper shipping name:

UN 1950 AEROSOLS

Transport hazard class(es):

2.1

Packing group:

-

Classification code:

5F

LQ (ADR 2011):

1 L

LQ (ADR 2009):

2

Environmental hazards:

environmentally hazardous

Tunnel restriction code:

D



Transport by sea (IMDG-code)

UN proper shipping name:

AEROSOLS (ZINC POWDER)

Transport hazard class(es):

2.1

Packing group:

-

EmS:

F-D, S-U

Marine Pollutant:

Yes

Environmental hazards:

environmentally hazardous



Transport by air (IATA)

UN proper shipping name:

Aerosols, flammable

Transport hazard class(es):

2.1

Packing group:

-

Environmental hazards:

Not applicable



Special precautions for user

Persons employed in transporting dangerous goods must be trained.

All persons involved in transporting must observe safety regulations.

Precautions must be taken to prevent damage.

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

Freighted as packaged goods rather than in bulk, therefore not applicable.

Minimum amount regulations have not been taken into account.

Danger code and packing code on request.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

For classification and labelling see Section 2.

Observe restrictions:

Yes

Comply with trade association/occupational health regulations.

Observe youth employment law (German regulation).

VOC (1999/13/EC):

643 g/l, 77,73%

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

These details refer to the product as it is delivered.

Revised sections:

1, 2, 3, 8, 9, 11, 12, 13, 15

The following statements are the indicated R-phrases / H-phrases and classification codes (GHS/CLP) for the ingredients (listed in Section 3).

10 Flammable.

11 Highly flammable.

20 Harmful by inhalation.

20/21 Harmful by inhalation and in contact with skin.

36 Irritating to eyes.

Page 18 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 31.10.2012 / 0013
 Replaces revision of / Version: 19.01.2011 / 0012
 Valid from: 31.10.2012
 PDF print date: 31.10.2012
 Glanz-Zink-Spray 400ML Art.: 1640

36/3738
 38 Irritating to skin.
 50 Very toxic to aquatic organisms.
 51 Toxic to aquatic organisms.
 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 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.
 H225 Highly flammable liquid and vapour.
 H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.

Aquatic Acute-Hazardous to the aquatic environment - acute
 Aquatic Chronic-Hazardous to the aquatic environment - chronic
 Flam. Liq.-Flammable liquid
 Eye Irrit.-Eye irritation
 STOT SE-Specific target organ toxicity - single exposure - narcotic effects
 Acute Tox.-Acute toxicity - inhalation
 Acute Tox.-Acute toxicity - dermal
 Skin Irrit.-Skin irritation
 Asp. Tox.-Aspiration hazard
 STOT SE-Specific target organ toxicity - single exposure - respiratory tract irritation

Any abbreviations and acronyms used in this document:

AC Article Categories
 acc., acc. to according, according to
 ACGIH American Conference of Governmental Industrial Hygienists
 ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
 AOEL Acceptable Operator Exposure Level
 AOX Adsorbable organic halogen compounds
 approx. approximately
 Art., Art. no. Article number
 ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
 BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
 BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
 BCF Bioconcentration factor
 BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)
 BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)
 BMGV Biological monitoring guidance value (EH40, UK)
 BOD Biochemical oxygen demand
 BSEF Bromine Science and Environmental Forum
 bw body weight
 CAS Chemical Abstracts Service
 CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques
 CIPAC Collaborative International Pesticides Analytical Council
 CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
 CMR carcinogenic, mutagenic, reproductive toxic
 COD Chemical oxygen demand
 CTFA Cosmetic, Toiletry, and Fragrance Association
 DMEL Derived Minimum Effect Level
 DNEL Derived No Effect Level

Page 19 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 31.10.2012 / 0013
 Replaces revision of / Version: 19.01.2011 / 0012
 Valid from: 31.10.2012
 PDF print date: 31.10.2012
 Glanz-Zink-Spray 400ML Art.: 1640

DOC Dissolved organic carbon
 DT50 Dwell Time - 50% reduction of start concentration
 DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)
 dw dry weight
 e.g. for example (abbreviation of Latin 'exempli gratia'), for instance
 EC European Community
 ECHA European Chemicals Agency
 EEA European Economic Area
 EEC European Economic Community
 EINECS European Inventory of Existing Commercial Chemical Substances
 ELINCS European List of Notified Chemical Substances
 EN European Norms
 EPA United States Environmental Protection Agency (United States of America)
 ERC Environmental Release Categories
 ES Exposure scenario
 etc. et cetera
 EU European Union
 EWC European Waste Catalogue
 Fax. Fax number
 gen. general
 GHS Globally Harmonized System of Classification and Labelling of Chemicals
 GWP Global warming potential
 HET-CAM Hen's Egg Test - Chorionallantoic Membrane
 HGWP Halocarbon Global Warming Potential
 IARC International Agency for Research on Cancer
 IATA International Air Transport Association
 IBC Intermediate Bulk Container
 IBC (Code) International Bulk Chemical (Code)
 IC Inhibitory concentration
 IMDG-code International Maritime Code for Dangerous Goods
 incl. including, inclusive
 IUCLID International Uniform Chemical Information Database
 LC lethal concentration
 LC50 lethal concentration 50 percent kill
 LCLo lowest published lethal concentration
 LD Lethal Dose of a chemical
 LD50 Lethal Dose, 50% kill
 LDLo Lethal Dose Low
 LOAEL Lowest Observed Adverse Effect Level
 LOEC Lowest Observed Effect Concentration
 LOEL Lowest Observed Effect Level
 LQ Limited Quantities
 MARPOL International Convention for the Prevention of Marine Pollution from Ships
 n.a. not applicable
 n.av. not available
 n.c. not checked
 n.d.a. no data available
 NIOSH National Institute of Occupational Safety and Health (United States of America)
 NOAEC No Observed Adverse Effective Concentration
 NOAEL No Observed Adverse Effect Level
 NOEC No Observed Effect Concentration
 NOEL No Observed Effect Level
 ODP Ozone Depletion Potential
 OECD Organisation for Economic Co-operation and Development
 org. organic
 PAH polycyclic aromatic hydrocarbon
 PBT persistent, bioaccumulative and toxic
 PC Chemical product category
 PE Polyethylene
 PNEC Predicted No Effect Concentration
 POCP Photochemical ozone creation potential
 ppm parts per million
 PROC Process category
 PTFE Polytetrafluorethylene

Page 20 of 20
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 31.10.2012 / 0013
Replaces revision of / Version: 19.01.2011 / 0012
Valid from: 31.10.2012
PDF print date: 31.10.2012
Glanz-Zink-Spray 400ML Art.: 1640

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
SADT Self-Accelerating Decomposition Temperature
SAR Structure Activity Relationship
SU Sector of use
SVHC Substances of Very High Concern
Tel. Telephone
ThOD Theoretical oxygen demand
TOC Total organic carbon
TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)
VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))
VOC Volatile organic compounds
vPvB very persistent and very bioaccumulative
WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).
WHO World Health Organization
wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.
No responsibility.

These statements were made by:

Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.