Contact Sheet



Europe



Austria

Tel: +43 4212 6400 Sparex Austria Muraunberger Str Hurzendorf 9300



France

Tel: +33 2987 89234 Sparex S.A.R.L. Zae De Ty Douar Commana 29450





Italy

Tel: + 43 4212 6400 Sparex Austria Muraunberger Str Hurzendorf 9300



Portugal

Tel: +351 261 311107 Sparex Portugal, Importação e Comércio de Peças,Lda. Lugar da Espera 2565-716 Runa.



Belgium / Lux

Tel: + 32 58235140 Sparex Belgium Bvba Toevluchtweg 9 B-8620 Nieuwpoort



Germany

Tel: + 49 4282 93100 Sparex Germany Hansestrasse 03 Sittensen 27419



Netherlands

Tel: + 31 235 841 020 Sparex Holland BV Luzernestraat 19N 2153 GM Nieuw-Vennep



Spain

Tel: + 349 451 33524 Sparex Agrirepuestos, S.L. C/Jose Maria Iparraguirre No.15 B 01006 Vitoria-Gasteiz (Alava)





Denmark

Tel: + 45 647 22287 Sparex Denmark Sparex Limited ApS Messevej 1 9600 Aars





Ireland

Tel: +353 51 855592 Sparex (Tractor Accessories) Ltd Grannagh Waterford Ireland



Poland

Tel: +48 61 816 19 37 61-168 ul. Rataje 164, Poznań



Tel: +44 1392 441338 Sparex Limited **Exeter Airport Devon** Exeter EX5 2LJ

North America





Canada

Tel: + 905 786 277 Sparex Canada Highway No. 2 On Newcastle L1b 119



USA

Tel: + 1 330 562 8150 Sparex US PO Box 510 Aurora, OH 44202

Africa



South Africa

Cape - Tel: +27 00 21 887 3575 . KZN - Tel: + 27 31 573 1240 Cape branch

35 George Blake St, Plankenburg Stellenbosch 7600

KZN branch 59 Marseilles crescent Briardene Durban 4001

Australasia



Australia

Tel: + 61 298 205 777 Sparex Australia Pty Ltd 81-83 Strzelecki Avenue, Sunshine West, VIC 3020



New Zealand

Tel: + 64 9634 4121 4 Princes Street Onehunga, Auckland 1345

Sparex Export Markets



Export

Tel: +44 1392 441314 Sparex Limited **Exeter Airport** Devon Exeter EX5 2LJ



Printing date 22.08.2017 Version number 72 Revision: 22.08.2017

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

- · 1.1 Product identifier
- · Trade name: EXO 55 LIGHT ALUMINIUM ZINC SPRAY 500 ML
- · Article number: TD81340
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

· Sector of Use

SU21 Consumer uses: Private households / general public / consumers

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

- · Product category PC9a Coatings and paints, thinners, paint removers
- · Process category

PROC7 Industrial spraying

PROC11 Non industrial spraying

· Environmental release category

ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

- · Application of the substance / the mixture Paint
- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Tegee-dan

Helge Nielsens Allé 7 1A

8723 Løsning DENMARK

T: +45 7563 1370

F: +45 75631371

www.tegee-dan.dk

info@tegee-dan.dk

- · Further information obtainable from: Department Product Safety
- · 1.4 Emergency telephone number: +45 7563 1370

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Eye Irrit. 2 H319 Causes serious eye irritation. STOT SE 3 H336 May cause drowsiness or dizziness.

(Contd. on page 2)

Printing date 22.08.2017 Version number 72 Revision: 22.08.2017

Trade name: EXO 55 LIGHT ALUMINIUM ZINC SPRAY 500 ML

(Contd. of page 1)

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms







GHS02

GHS07 GHS09

- · Signal word Danger
- · Hazard-determining components of labelling:

acetone

Solvent naphtha (petroleum), light arom.

· Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P260 Do not breathe spray.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents / container in accordance with regional regulations.

· Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · **PBT**: Not applicable. · **vPvB**: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterisation: Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37	dimethyl ether The property of the property o	25-<50%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49	acetone Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	20-<25%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336	12.5-<20%

GB

Printing date 22.08.2017 Version number 72 Revision: 22.08.2017

Trade name: EXO 55 LIGHT ALUMINIUM ZINC SPRAY 500 ML

		(Contd. of page 2)
CAS: 7440-66-6 EINECS: 231-175-3	zinc powder -zinc dust (stabilized) Aquatic Acute 1, H400; Aquatic Chronic 1, H410	5-<10%
Index number: 030-001-01-9 Reg.nr.: 01-2119467174-37		
CAS: 7429-90-5	aluminium powder (pyrophoric)	2.5-<5.0%
EINECS: 231-072-3	? Pyr. Sol. 1, H250; Water-react. 2, H261	
Index number: 013-001-00-6		
Reg.nr.: 01-2119529243-45		
	xylene, mixture of isomers	2.5-<5.0%
	Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	
CAS: 1314-13-2	zinc oxide	≤0.5%
EINECS: 215-222-5	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	-
Index number: 030-013-00-7		
Reg.nr.: 01-2119463881-32		
· Additional information: For	the wording of the listed hazard phrases refer to section 16.	•

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Generally the product does not irritate the skin.
- · After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- · After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.
- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· 5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

- · 5.3 Advice for firefighters -
- · Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

(Contd. on page 4)

Printing date 22.08.2017 Version number 72 Revision: 22.08.2017

Trade name: EXO 55 LIGHT ALUMINIUM ZINC SPRAY 500 ML

(Contd. of page 3)

See Section 13 for disposal information.

SECTION 7: Handling and storage

- · 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
- · Information about fire and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.

- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep container tightly sealed.
- · Storage class: 2 B
- \cdot 7.3 *Specific end use(s) No further relevant information available.*

SECTION 8: Exposure controls/personal protection

- · Additional information about design of technical facilities: No further data; see item 7.
- · 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:	
115-10-6 dimethyl ether	
WEL Short-term value: 958 mg/m³, 500 ppm	
Long-term value: 766 mg/m³, 400 ppm	
67-64-1 acetone	
WEL Short-term value: 3620 mg/m³, 1500 ppm	
Long-term value: 1210 mg/m³, 500 ppm	
7429-90-5 aluminium powder (pyrophoric)	
WEL Long-term value: 10* 4** mg/m³	
*inhalable dust **respirable dust	
xylene, mixture of isomers	

WEL Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm Sk; BMGV

· Ingredients with biological limit values:

xylene, mixture of isomers

BMGV 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift Parameter: methyl hippuric acid

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

(Contd. on page 5)

Printing date 22.08.2017 Version number 72 Revision: 22.08.2017

Trade name: EXO 55 LIGHT ALUMINIUM ZINC SPRAY 500 ML

(Contd. of page 4)

Avoid contact with the eyes and skin.

Avoid contact with the eyes.

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

Butyl rubber gloves with a thickness of 0.4 mm are resistant to:

Acetone: 480 min Butyl acetate: 60 min Ethyl acetate: 170 min

Xylene: 42 min

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be

observed.

Eye protection:



Tightly sealed goggles

SECTION 9: Physical and chemical properties

· General Information

· Appearance: Form:

Form:
Colour:
Silver-coloured
Odour:
Solvent-like
Not determined.

pH-value:
Not determined.

· Change in condition

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: Not applicable, as aerosol.

• Flash point: $<0^{\circ}C (<32^{\circ}F)$

Not applicable, as aerosol.

Flammability (solid, gas): Not applicable.

• Ignition temperature: 240°C (464 °F)

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

• Explosive properties: Product is not explosive. However, formation of explosive air/

vapour mixtures are possible.

(Contd. on page 6)

Printing date 22.08.2017 Version number 72 Revision: 22.08.2017

Trade name: EXO 55 LIGHT ALUMINIUM ZINC SPRAY 500 ML

	(Contd. of page
Explosion limits:	
Lower:	0.7 Vol %
Upper:	26.2 Vol %
Vapour pressure at 20°C (68 °F):	4,000 hPa (3,0 mm Hg)
Density at 20°C (68 °F):	0.83 g/cm³ (6.926 lbs/gal)
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	82.8 %
EU-VOC:	685.7 g/l
EU-VOC in %:	82.81 %
VOC (EC)	
	685.6 g/l
VOC-EU%	82.81 %
Solids content:	24.8 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
- · Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50	· LD/LC50 values relevant for classification:	
xylene, mi	xylene, mixture of isomers	
Oral	LD50	3,523 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	22.1 mg/m3 (rat)

- · Primary irritant effect:
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation

Causes serious eye irritation.

- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.

(Contd. on page 7)

Printing date 22.08.2017 Version number 72 Revision: 22.08.2017

Trade name: EXO 55 LIGHT ALUMINIUM ZINC SPRAY 500 ML

(Contd. of page 6)

- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure

May cause drowsiness or dizziness.

- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity:

xylene, mixture of isomers

EC50 / 48 h 7.4 mg/l (daphnia magna)

LC50 / 96 h | 13.5 mg/l (fish)

- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · Ecotoxical effects:
- · Remark: Toxic for fish
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

- · 12.5 Results of PBT and vPvB assessment
- · **PBT**: Not applicable.
- · vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue	
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
15 01 04	metallic packaging

- · Uncleaned packaging:
- · Recommendation: Non contaminated packagings may be recycled.

· 14.1 UN-Number	
· ADR, IMDG, IATA	UN1950
· 14.2 UN proper shipping name	
$\cdot ADR$	1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
\cdot <i>IMDG</i>	AEROSOLS (zinc powder -zinc dust (stabilized), Solvent
	naphtha (petroleum), light arom.), MARINE POLLUTAN
\cdot IATA	AEROSOLS, flammable

Printing date 22.08.2017 Version number 72 Revision: 22.08.2017

Trade name: EXO 55 LIGHT ALUMINIUM ZINC SPRAY 500 ML

(Contd. of page 7) · 14.3 Transport hazard class(es) $\cdot ADR$ · Class 2 5F Gases. · Label 2.1 · IMDG · Class 2.1 · Label 2.1 \cdot IATA 2.1 · Class 2.1 · Label · 14.4 Packing group · ADR, IMDG, IATA not regulated · 14.5 Environmental hazards: · Marine pollutant: Symbol (fish and tree) · Special marking (ADR): Symbol (fish and tree) · 14.6 Special precautions for user Warning: Gases. · Danger code (Kemler): F-D,S-U· EMS Number: · Stowage Code SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: · Segregation Code Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. · 14.7 Transport in bulk according to Annex II of Not applicable. Marpol and the IBC Code · Transport/Additional information: · Limited quantities (LQ) 1L· Excepted quantities (EQ) Code: E0 Not permitted as Excepted Quantity Code: E0 Not permitted as Excepted Quantity (Contd. on page 9)

Printing date 22.08.2017 Version number 72 Revision: 22.08.2017

Trade name: EXO 55 LIGHT ALUMINIUM ZINC SPRAY 500 ML

	(Contd. of page 8)
· Transport category	2
Tunnel restriction code	D
· IMDG	
· Limited quantities (LQ)	IL
· Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
	Code: E0
	Not permitted as Excepted Quantity
· UN ''Model Regulation'':	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category

P3a FLAMMABLE AEROSOLS

E2 Hazardous to the Aquatic Environment

- · Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H250 Catches fire spontaneously if exposed to air.

H261 In contact with water releases flammable gases.

H280 Contains gas under pressure; may explode if heated.

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.

H411 Toxic to aquatic life with long lasting effects.

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

(Contd. on page 10)

Printing date 22.08.2017 Version number 72 Revision: 22.08.2017

Trade name: EXO 55 LIGHT ALUMINIUM ZINC SPRAY 500 ML

(Contd. of page 9)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Gas 1: Flammable gases – Category 1

Aerosol 1: Aerosols - Category 1

Press. Gas C: Gases under pressure - Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3 Pyr. Sol. 1: Pyrophoric solids – Category 1

Water-react. 2: Substances and mixtures which in contact with water emit flammable gases - Category 2

Acute Tox. 4: Acute toxicity - Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard - Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1

 $A quatic\ Chronic\ 2: Hazardous\ to\ the\ aquatic\ environment\ -\ long-term\ aquatic\ hazard\ -\ Category\ 2$

* * Data compared to the previous version altered.

GB ·