

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

1.1. Product identifier

Product form : Mixture
 Product name : Spraytone Zink 97%
 Product code : 15043090100B
 Product group : Paint.

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

1.2.1. Relevant identified uses

Intended for general public
 Main use category : Consumer use, Professional use, Industrial use
 Use of the substance/mixture : Aerosol.
 Industrial and decoration painting.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

International Trading
 Kobaltweg 3
 5234 GN 's-Hertogenbosch - Nederland
 T +31 (0)73 70 70 118

Responsible formatting SDS

Mantech Nederland B.V.
 Kobaltweg 7
 P.O. Box 39
 5234 GN 's-Hertogenbosch - Nederland
 T +31 (0)73 70 70 112 - F +31 (0)73 64 43 861
info@mantechbv.nl - www.mantechbv.nl

1.4. Emergency telephone number

Emergency number : International Trading: +31 (0)73 70 70 118 (08:00 - 17:00)
 NL - Nationaal Vergiftigingen Informatie Centrum (NVIC)
 Emergency telephone (24 hours): +31 30 274 88 88
 (Only for doctors to inform accidental poisoning)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol, Category 1 H222;H229
 Hazardous to the aquatic environment — H410
 Chronic Hazard, Category 1
 Full text of H statements : see section 16

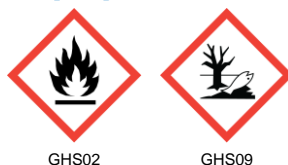
Adverse physicochemical, human health and environmental effects

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008.

2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) : Danger

Hazard statements (CLP) : H222 - Extremely flammable aerosol.
 H229 - Pressurised container: May burst if heated.
 H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P102 - Keep out of reach of children.
 P260 - Do not breathe spray.
 P210 - Keep away from heat, sparks, open flames, hot surfaces. No smoking.
 P251 - Do not pierce or burn, even after use.
 P211 - Do not spray on an open flame or other ignition source.
 P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Spraytone Zink 97%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

EUH-statements	: P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
Extra phrases	: EUH210 - Safety data sheet available on request. : 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
Security closing plug for children	: Not applicable
Tactile warning	: Not applicable

2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
dimethyl ether	(CAS-No.) 115-10-6 (EC-No.) 204-065-8 (EC Index-No.) 603-019-00-8 (REACH-no) 01-2119472128-37	25 - 50	Flam. Gas 1, H220 Press. Gas
Zinc powder - zinc dust (stabilized)	(CAS-No.) 7440-66-6 (EC-No.) 231-175-3 (EC Index-No.) 030-002-00-7 (REACH-no) 01-2119467174-37	25 - 50	Not classified
Acetone	(CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index-No.) 606-001-00-8 (REACH-no) 01-2119471330-49	5 - 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Hydrocarbons, C9, aromatics (<0.1% benzol CAS nr. 71-43-2)	(CAS-No.) 64742-95-6 (EC-No.) 265-199-0 (EC Index-No.) 649-356-00-4 (REACH-no) 01-2119486773-24	5 - 10	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
xylene	(CAS-No.) 1330-20-7 (EC-No.) 215-535-7 (EC Index-No.) 601-022-00-9 (REACH-no) 01-2119488216-32	2,5 - 5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice. Symptoms may be delayed. supervision of a doctor is necessary during at least 48h after an accident happenend.
First-aid measures after inhalation	: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth.
First-aid measures after skin contact	: Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
First-aid measures after eye contact	: Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
First-aid measures after ingestion	: If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting. Drink plenty of water.

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

Symptoms/effects	: No information is on file to date regarding acute and/or delayed post-exposure symptoms and effects.
------------------	--

Spraytone Zink 97%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

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

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : carbon dioxide (CO₂), powder, alcohol-resistant foam, water spray.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

5.3. Advice for firefighters

Precautionary measures fire : Pressurised container: May burst if heated. Cool closed containers exposed to fire with water.

Other information : Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Use personal protective equipment as required.

Emergency procedures : Do not smoke. Avoid ignition sources. Ventilate area. Do not breathe vapours.

6.1.2. For emergency responders

Protective equipment : Equip rescue crew with proper protection.

Emergency procedures : No smoking. Avoid ignition sources. Ventilate area. Do not breathe vapours.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

Other information : Clean preferably with a detergent - avoid use of solvents.

6.4. Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Hygiene measures : Smoking, eating and drinking should be prohibited in application area.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep container tightly closed and dry.

Storage conditions : Observe the label precautions. Store in accordance with local/national regulations.

Storage temperature : 5 - 30 °C Store in dry, well-ventilated area.

Heat and ignition sources : Keep away from heat and direct sunlight.

Information on mixed storage : Not necessary under the recommended storage and handling conditions.

Storage area : Store in dry, cool, well-ventilated area.

7.3. Specific end use(s)

No supplementary information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

dimethyl ether (115-10-6)		
EU	Local name	Dimethylether
EU	IOELV TWA (mg/m ³)	1920 mg/m ³
EU	IOELV TWA (ppm)	1000 ppm
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC

Spraytone Zink 97%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Acetone (67-64-1)		
EU	Local name	Acetone
EU	IOELV TWA (mg/m ³)	1210 mg/m ³
EU	IOELV TWA (ppm)	500 ppm
xylene (1330-20-7)		
EU	Local name	Xylene, mixed isomers, pure
EU	IOELV TWA (mg/m ³)	221 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	442 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Skin
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC

8.2. Exposure controls

Appropriate engineering controls:

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Hand protection:

not necessary

Eye protection:

Aerosol can. Even though no eye contact is expected under reasonable normal conditions of use, appropriate eye protection should be worn when handling this material.

Skin and body protection:

Aerosol can. Protective clothing not absolutely necessary

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Do not breathe gas, fumes, vapour or spray. (Short term exposures: breathing apparatus with filter; long duration exposure: supplied-air respirator)

Consumer exposure controls:

Wash hands before break and at end of works. When using do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Aerosol.
Colour	: Grey.
Odour	: Characteristic. Propellant spray.
Odour threshold	: No data available
pH	: Not determined.
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: Not applicable, as aerosol.
Flash point	: < 0 °C Not applicable, as aerosol.
Auto-ignition temperature	: The product does not ignites spontaneously.
Decomposition temperature	: When exposed to heat, may decompose liberating hazardous gases
Flammability (solid, gas)	: 240 °C This product is flammable.
Vapour pressure	: 4000 hPa
Relative vapour density at 20 °C	: Not determined.
Relative density	: Not determined.
Density	: ≈ 1,095 g/cm ³ @ 20 °C
Solubility	: Water: Negligible.
Log Pow	: No data available

Spraytone Zink 97%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Log Kow	: No data available
Viscosity, kinematic	: Not determined.
Viscosity, dynamic	: Not determined.
Explosive properties	: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Oxidising properties	: No data available.
Explosive limits	: 3,3 - 26,2 vol %

9.2. Other information

VOC content : 658,3 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products. Open flame. Overheating.

10.5. Incompatible materials

No supplementary information available.

10.6. Hazardous decomposition products

Such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Zinc powder - zinc dust (stabilized) (7440-66-6)	
LD50 oral rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	5,41 mg/l/4h
dimethyl ether (115-10-6)	
LC50 inhalation rat (Vapours - mg/l/4h)	309 mg/l/4h
Hydrocarbons, C9, aromatics (<0.1% benzol CAS nr. 71-43-2) (64742-95-6)	
LD50 oral rat	3592 mg/kg (OECD 401 methode)
LD50 dermal rabbit	> 3160 (OECD 402 methode)
LC50 inhalation rat (Vapours - mg/l/4h)	<= 0,015 mg/l/4h
Acetone (67-64-1)	
LD50 oral rat	5800 mg/kg
LD50 dermal rabbit	20000 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	0,039 mg/l/4h
xylene (1330-20-7)	
LD50 oral rat	4300 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	0,0221 mg/l/4h

Skin corrosion/irritation	: Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin pH: Not determined.
Serious eye damage/irritation	: The liquid splashed in the eyes may cause irritation and reversible damage. pH: Not determined.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

Spraytone Zink 97%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The mixture has been assessed following the conventional method of the Regulation (EC) No. 1272/2008 [CLP] and is classified as dangerous for the environment. See Sections 2 and 3 for details.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Very toxic to aquatic life with long lasting effects.

Zinc powder - zinc dust (stabilized) (7440-66-6)

LC50 other aquatic organisms 1	0,57 mg/l [96 h., daphnia magna]
EC50 Daphnia 1	2,8

dimethyl ether (115-10-6)

EC50 Daphnia 1	> 4000 mg/l
----------------	-------------

Hydrocarbons, C9, aromatics (<0.1% benzol CAS nr. 71-43-2) (64742-95-6)

LC50 fish 1	3,77 mg/l [96 h.]
EC50 Daphnia 1	150 mg/l [24 h.] (7,4 mg/l [48 h.])

Acetone (67-64-1)

LC50 fish 1	5540 mg/l [96 h.]
LC50 other aquatic organisms 2	2262 ml/l daphnia
EC50 Daphnia 1	8800 mg/l

xylene (1330-20-7)

LC50 fish 1	13,5 mg/l [96 h.]
EC50 Daphnia 1	7,4 mg/l [48 h.]

12.2. Persistence and degradability

Spraytone Zink 97%

Persistence and degradability	There are no data available on the preparation itself. May cause long-term adverse effects in the aquatic environment.
-------------------------------	--

12.3. Bioaccumulative potential

Spraytone Zink 97%

BCF fish 1	Highly toxic to fishes
Log Pow	No data available
Log Kow	No data available
Bioaccumulative potential	There are no data available on the preparation itself.

dimethyl ether (115-10-6)

Log Pow	0,07
---------	------

12.4. Mobility in soil

Spraytone Zink 97%

Ecology - soil	There are no data available on the preparation itself.
----------------	--

12.5. Results of PBT and vPvB assessment

Spraytone Zink 97%

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Additional information	: Product may not flow into sewer or superficial water. May pollute public waters.. Toxic to fish.. (highly) toxic to plankton
------------------------	--

Spraytone Zink 97%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Do not allow to enter drains or water courses.
Waste treatment methods	: Recycling is preferred to disposal or incineration.
Product/Packaging disposal recommendations	: Dispose of this material and its container to hazardous or special waste collection point.
Additional information	: Uncleaned packaging: Recommendation: Not completely empty packaging must be treated complying Directive 91/689/EEC.
European List of Waste (LoW) code	: 08 00 00 - WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS 08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances 15 00 00 - WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED 15 01 04 - metallic packaging

SECTION 14: Transport information

In accordance with ADR

ADR

14.1. UN number

1950

14.2. UN proper shipping name

AEROSOLS

Transport document description

UN 1950 AEROSOLS (Dangerous for the environment), 2.1, (D), ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

2.1



14.4. Packing group

Not applicable

14.5. Environmental hazards

Dangerous for the environment : Yes

Environmentally hazardous substances: zinc powder - zinc dust (stabilised)

14.6. Special precautions for user

Special transport precautions : Transport within user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

- Overland transport

Classification code (ADR)	: 5F
Special provisions (ADR)	: 190, 327, 344, 625
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207, LP02
Special packing provisions (ADR)	: PP87, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 2
Special provisions for carriage - Packages (ADR)	: V14
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Special provisions for carriage - Operation (ADR)	: S2
Tunnel restriction code (ADR)	: D

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

IBC code	: Not usable.
Ship type	: Not determined.
Pollution category	: Not determined.

Spraytone Zink 97%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 658,3 g/l

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
1.1	Product code	Modified	

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Press. Gas	Gases under pressure
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst 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.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product