

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.11.2021

Version 1

Revision: 25.11.2021

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** INSEBO Zinkspray**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
**Application of the substance / the mixture** Anticorrosion additive**1.3 Details of the supplier of the safety data sheet**WS INSEBO GmbH  
Industriestraße 24, A-2325 Himberg bei Wien  
Tel.: +43 (0) 2235/86227-0  
Fax: +43 (0) 2235/86020  
e-mail: office@insebo.com**1.4 Emergency telephone number:** Call local emergency information.**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Aerosol 1	H222-H229	Extremely flammable aerosol. Pressurised container: May burst if heated.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.

**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 GHS08 GHS09

**Signal word** Danger**Hazard-determining components of labelling:**acetone  
reaction mass of ethylbenzene and xylene  
hydrocarbons, C7, n-alkanes, isoalkanes, cyclics  
hydrocarbons, C9, aromatics**Hazard statements**H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.

(Contd. on page 2)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 25.11.2021

Version 1

Revision: 25.11.2021

**Trade name: GH6A\_HW20200505\_Zinkspray**

(Contd. of page 1)

**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.
P273	Avoid release to the environment.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P402+P404	Store in a dry place. Store in a closed container.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container in accordance with national regulations.

**2.3 Other hazards** No further relevant information available.

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures**
**Description:** Mixture of substances listed below with non-hazardous additions.

<b>Dangerous components:</b>		
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.No.: 01-2119474691-32	butane, pure Flam. Gas 1A, H220; Press. Gas (Comp.), H280	20 - 30%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.No.: 01-2119471330-49	acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	15 - 25%
EC number: 905-588-0 Reg.No.: 01-2119488216-32	reaction mass of ethylbenzene and xylene Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 Specific concentration limit: STOT RE 2; H373: C ≥ 10 %	10 - 20%
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.No.: 01-2119472128-37	dimethyl ether Flam. Gas 1A, H220; Press. Gas (Comp.), H280	10 - 15%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.No.: 01-2119485395-27	isobutane (< 0.1% butadiene) Flam. Gas 1A, H220; Press. Gas (Comp.), H280	5 - 15%
CAS: 64742-49-0 EC number: 927-510-4 Reg.No.: 01-2119475515-33	hydrocarbons, C7, n-alkanes, isoalkanes, cyclics Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	5 - 10%
CAS: 64742-95-6 EC number: 918-668-5 Index number: 649-356-00-4 Reg.No.: 01-2119455851-35	hydrocarbons, C9, aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336, EUH066	5 - 10%

(Contd. on page 3)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 25.11.2021

Version 1

Revision: 25.11.2021

**Trade name: GH6A\_HW20200505\_Zinkspray**

		(Contd. of page 2)
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.No.: 1-2119486944-21	propane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	2.5 - 5%
CAS: 7440-66-6 EINECS: 231-175-3 Index number: 030-001-01-9	zinc powder -zinc dust (stabilized) Aquatic Acute 1, H400; Aquatic Chronic 1, H410	1 - 5%
CAS: 7429-90-5 EINECS: 231-072-3 Index number: 013-002-00-1	aluminium powder (stabilised) [T] Flam. Sol. 2, H228; Water-react. 2, H261	1 - 5%
CAS: 110-54-3 EINECS: 203-777-6 Index number: 601-037-00-0	n-hexane Flam. Liq. 2, H225; Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336 Specific concentration limit: STOT RE 2; H373: C ≥ 5 %	0.1 - 1%

**Additional information:**

Note T: This substance may be marketed in a form which does not have the physical hazards as indicated by the classification in the entry in Part 3. If the results of the relevant method or methods in accordance with Part 2 of Annex I of this Regulation show that the specific form of substance marketed does not exhibit this physical property or these physical hazards, the substance shall be classified in accordance with the result or results of this test or these tests. Relevant information, including reference to the relevant test method(s) shall be included in the safety data sheet.

For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information:**

Never give anything by mouth to an unconscious person.

In case of accident or if you feel unwell, seek medical advice (show the label where possible).

**After inhalation:**

Remove person to fresh air and keep comfortable for breathing.

If symptoms persist seek medical assistance.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**

Remove contaminated clothes. Wash affected skin thoroughly with water and soap.

In case of irritation seek medical treatment.

Wash contaminated clothes before reuse.

**After eye contact:**

Rinse opened eye immediately for several minutes under running water.

Remove contact lenses, if present and easy to do.

If irritation persists, get medical advice/attention.

**After swallowing:**

Not applicable under normal use.

Rinse mouth. Do NOT induce vomiting.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Seek medical advice and show this container or label.

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.11.2021

Version 1

Revision: 25.11.2021

**Trade name: GH6A\_HW20200505\_Zinkspray**

(Contd. of page 3)

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

Inhalation: Vapours may cause drowsiness and dizziness. Excessive exposure to spray mist or vapours may cause respiratory irritation. Coughing, sneezing, nasal discharge, shortness of breath.

Skin contact: Itching, redness, pain.

Eye contact: Causes severe eye irritation, redness, tearing, pain.

Ingestion: May cause abdominal discomfort, nausea/vomiting, diarrhoea and irritation of the digestive tract.

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

If swallowed or in case of vomiting, danger of entering the lungs.

Symptomatic treatment.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing agents:** Water spray, carbon dioxide, alcohol-resistant foam, extinguishing powder.

**For safety reasons unsuitable extinguishing agents:** Water

**5.2 Special hazards arising from the substance or mixture**

Vapours can form explosive mixtures with air.

Formation of toxic gases is possible during heating or in case of fire.

In case of heating or fire dense black smoke is generated.

**5.3 Advice for firefighters**

**Protective equipment:**

Do not inhale explosion gases or combustion gases.

In the case of fire wear self-contained respiratory equipment and protective suit.

Protective clothing for firefighters (DIN EN 469:2005+A1:2006+AC:2006) including helmets (DIN EN 443:2008); safety shoes (DIN EN 15090:2012), gloves (DIN EN 659:2003+A1:2008) and self-contained respiratory equipment (DIN EN 137:2006).

**Additional information**

Cool endangered receptacles with water spray. Contain runoff to prevent entry into water or drainage systems.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Heating causes a rise in pressure, risk of bursting and explosion.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Please notice instructions for person-related safety precautions, wear protective equipment (see 8.)

Keep unprotected persons away. Ensure adequate ventilation.

Keep away from heat and ignition sources.

Do not breathe vapour/spray.

Avoid any contact with skin, eyes and clothes.

**6.2 Environmental precautions:**

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

Advise water authority in case of seepage into water course or sewage system.

**6.3 Methods and material for containment and cleaning up:**

Absorb with non-combustible absorbent material, (eg sand, diatomite, vermiculite).

Place into lockable, labelled salvage container for disposal according to the regulations.

Clean contaminated floors and objects thoroughly, observing environmental regulations.

(Contd. on page 5)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.11.2021

Version 1

Revision: 25.11.2021

**Trade name: GH6A\_HW20200505\_Zinkspray**

(Contd. of page 4)

**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**

While handling pay attention to the usual precaution for chemicals.  
Comply with instructions for use.  
Provide good ventilation/exhaustion at the workplace.  
Do not eat, drink or smoke when using this product.  
Avoid any contact with skin, eyes and clothes.  
Do not breathe fumes/aerosol.  
Wash hands before break and at the end of work.  
Wash contaminated clothes before reuse.

**Information about fire - and explosion protection:**



Keep ignition sources away - Do not smoke.

Vapours May form explosive mixtures with air, which are heavier than air.  
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.  
Do not spray on an open flame or glowing objects.  
Protect against electrostatic charges.  
Use only non-sparking tools.

**7.2 Conditions for safe storage, including any incompatibilities**

**Requirements to be met by storerooms and receptacles:**

Store in original container only in a well-ventilated, cool, dry, secure area.  
Observe official regulations on storing packagings with pressurised containers.  
Avoid direct sun exposure and heat.

**Information about storage in one common storage facility:**

Do not store food, beverages and animal feeding stuffs in the storage area.  
Store away from strong oxidizing agents.

**Further information about storage conditions:**

Keep out of reach of children.  
Store containers upright.

**7.3 Specific end use(s)** Use according to instructions.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

**CAS: 106-97-8 butane, pure**

MAK (Austria)	Short-term value: 3800 mg/m <sup>3</sup> , 1600 ppm; Long-term value: 1900 mg/m <sup>3</sup> , 800 ppm
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(Contd. on page 6)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.11.2021

Version 1

Revision: 25.11.2021

**Trade name: GH6A\_HW20200505\_Zinkspray**

(Contd. of page 5)

AGW (Germany)	Long-term value: 2400 mg/m <sup>3</sup> , 1000 ppm; 4(II);DFG
<b>CAS: 67-64-1 acetone</b>	
MAK (Austria)	Short-term value: 4800 mg/m <sup>3</sup> , 2000 ppm; Long-term value: 1200 mg/m <sup>3</sup> , 500 ppm
AGW (Germany)	Long-term value: 1200 mg/m <sup>3</sup> , 500 ppm; 2(I);AGS, DFG, EU, Y
<b>CAS: 115-10-6 dimethyl ether</b>	
MAK (Austria)	Short-term value: 3820 mg/m <sup>3</sup> , 2000 ppm; Long-term value: 1910 mg/m <sup>3</sup> , 1000 ppm
AGW (Germany)	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm; 8(II);DFG, EU
<b>CAS: 64742-49-0 hydrocarbons, C7, n-alkanes, isoalkanes,cyclics</b>	
MAK (Germany)	vgl.Abschn.Xb
<b>CAS: 75-28-5 isobutane (&lt; 0.1% butadiene)</b>	
MAK (Austria)	Short-term value: 3800 mg/m <sup>3</sup> , 1600 ppm; Long-term value: 1900 mg/m <sup>3</sup> , 800 ppm
AGW (Germany)	Long-term value: 2400 mg/m <sup>3</sup> , 1000 ppm; 4(II);DFG
<b>CAS: 74-98-6 propane</b>	
MAK (Austria)	Short-term value: 3600 mg/m <sup>3</sup> , 2000 ppm; Long-term value: 1800 mg/m <sup>3</sup> , 1000 ppm
AGW (Germany)	Long-term value: 1800 mg/m <sup>3</sup> , 1000 ppm; 4(II);DFG
<b>CAS: 7440-66-6 zinc powder -zinc dust (stabilized)</b>	
MAK (Germany)	Long-term value: 0.1A* 2E** mg/m <sup>3</sup> ; *alveolengängig; **eintembar
<b>CAS: 110-54-3 n-hexane</b>	
MAK (Austria)	Short-term value: 288 mg/m <sup>3</sup> , 80 ppm; Long-term value: 72 mg/m <sup>3</sup> , 20 ppm
AGW (Germany)	Long-term value: 180 mg/m <sup>3</sup> , 50 ppm; 8(II);DFG, EU, Y
<b>Kohlenwasserstoffdämpfe</b>	
MAK (Austria)	siehe § 6 GKV

**Regulatory information**

MAK (Austria): GKV 2018, 254. Verordnung, 24.9.2018, Teil II

AGW (Germany): TRGS 900

MAK (Germany): MAK- und BAT-Liste

**DNELs:** Not available.

**PNECs:** No data available.

**Ingredients with biological limit values:**

<b>CAS: 67-64-1 acetone</b>	
BGW (Germany)	80 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton
<b>CAS: 110-54-3 n-hexane</b>	
BGW (Germany)	5 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: 2.5-Hexandion plus 4.5-Dihydroxy-2-hexanon (nach Hydrolyse)

**Regulatory information** BGW (Germany): TRGS 903

**8.2 Exposure controls**

**Appropriate engineering controls** Provide good ventilation or exhaust at work, particularly in closed areas.

(Contd. on page 7)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.11.2021

Version 1

Revision: 25.11.2021

**Trade name: GH6A\_HW20200505\_Zinkspray**

(Contd. of page 6)

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures:**

Avoid unnecessary contact with the product. Do not eat, drink or smoke at workplace and keep it tidy.

Avoid any contact with skin, eyes and clothes.

Do not breathe vapours.

Remove contaminated clothing immediately and wash carefully before reuse.

Wash hands before break and at the end of work.

**Respiratory protection:**



Wear particulate filter masks in the case of exceeding the recommended occupational exposure limits.

Wear a suitable respiratory protective mask (EN 136) with filter A2-P2 (EN 14387)

**Hand protection**



Chemical resistant gloves (EN 374)

Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed.

**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 cannot be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

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

**Eye/face protection**



Safety glasses with side shields (EN 166)

Ensure eye bath is to hand.

**Body protection:**

Protective clothing (DIN EN ISO 13688:2013-12) and safety shoes (DIN EN ISO 20345:2012-04)

**Environmental exposure controls** Do not allow to enter sewers/ surface or ground water.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

<b>Physical state</b>	Fluid
<b>Form:</b>	Aerosol
<b>Colour:</b>	Silver-coloured
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined
<b>Boiling point or initial boiling point and boiling range:</b>	Not determined.
<b>Flammability:</b>	Extremely flammable.

(Contd. on page 8)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.11.2021

Version 1

Revision: 25.11.2021

**Trade name: GH6A\_HW20200505\_Zinkspray**

(Contd. of page 7)

<b>Lower and upper explosion limit:</b>	Not determined
<b>Flash point:</b>	Not determined.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	Not determined.
<b>pH:</b>	No data available
<b>Viscosity</b>	
<b>dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>water:</b>	Not determined.
<b>Partition coefficient, n-octanol/water:</b>	Not determined
<b>Vapour pressure:</b>	Not determined.
<b>Vapour density:</b>	Not determined.
<b>Density at 20 °C:</b>	0.884 kg/l

<b>9.2 Other information</b>	
<b>Explosive properties:</b>	In use, may form flammable/explosive vapour-air mixture.
<b>VOC (EC):</b>	88 % (642 g/l)
<b>Oxidising properties:</b>	Not determined.

<b>Information with regard to physical hazard classes</b>	
<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	
Extremely flammable aerosol. Pressurised container: May burst if heated.	
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

**SECTION 10: Stability and reactivity**

**10.1 Reactivity** Stable under recommended transport or storage conditions.

**10.2 Chemical stability** No hazardous reaction when handled and stored according to provisions.

**10.3 Possibility of hazardous reactions** Vapours may form explosive gas mixture with air.

(Contd. on page 9)



**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.11.2021

Version 1

Revision: 25.11.2021

**Trade name: GH6A\_HW20200505\_Zinkspray**

(Contd. of page 8)

**10.4 Conditions to avoid**

Heat, open flames, ignition sources, electrostatic charge  
Heating causes rise in pressure with risk of bursting.

**10.5 Incompatible materials:** Strong oxidizing agents

**10.6 Hazardous decomposition products:**

None under normal conditions of storage and use.  
Noxious vapours can be released at high temperatures or upon burning.

**SECTION 11: Toxicological information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values relevant for classification:** There are no product specific data on toxicology available.

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**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 respiratory irritation. May cause drowsiness or dizziness.

**STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**Experience with humans:** Vapours may cause drowsiness and dizziness.

**11.2 Information on other hazards**

**Endocrine disrupting properties** No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity:** For the product there are no ecotoxicological data available.

**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.

**12.5 Results of PBT and vPvB assessment** Not applicable.

**12.6 Endocrine disrupting properties** No data available.

(Contd. on page 10)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.11.2021

Version 1

Revision: 25.11.2021

**Trade name: GH6A\_HW20200505\_Zinkspray**

(Contd. of page 9)

**12.7 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation**



Do not dispose waste or remains together with domestic waste, do not empty into sink or toilet, hand over to hazardous waste disposers.

**European waste catalogue**

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

15 01 10: Packaging containing residues of or contaminated by dangerous substances

**Uncleaned packaging**

**Recommendation:**

Cans should be emptied completely and should preferably be recycled or reused in compliance with the local / national regulations. Cans not emptied completely or remains have to be disposed as hazardous waste.

**SECTION 14: Transport information**

**14.1 UN number or ID number**

**ADR, IMDG, IATA**

UN1950

**14.2 UN proper shipping name**

**ADR**

1950 AEROSOLS, ENVIRONMENTALLY  
HAZARDOUS

**IMDG**

AEROSOLS, MARINE POLLUTANT

**IATA**

AEROSOLS

**14.3 Transport hazard class(es)**

**ADR**



**Class**

2 5F Gases.

**Label**

2.1

**IMDG**



**Class**

2 Gases.

**Label**

2.1

(Contd. on page 11)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.11.2021

Version 1

Revision: 25.11.2021

**Trade name: GH6A\_HW20200505\_Zinkspray**

(Contd. of page 10)

**IATA**



**Class** 2 Gases.  
**Label** 2.1

**14.4 Packing group**  
**ADR, IMDG, IATA** Void

**14.5 Environmental hazards:**  
**Special marking (ADR):** Symbol (fish and tree)

**14.6 Special precautions for user** Warning: Gases.

**14.7 Maritime transport in bulk according to IMO**  
**instruments** Not applicable.

**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**

**National regulations:** -

**Classification according to VbF:** No data available.

**Water hazard class:** Water hazard class 2 (self-assessment): hazardous for water.

**VOC (EC):** 642 g/l

**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.
- H228 Flammable solid.
- 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.

(Contd. on page 12)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 25.11.2021

Version 1

Revision: 25.11.2021

**Trade name: GH6A\_HW20200505\_Zinkspray**

(Contd. of page 11)

- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.
- 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.
- EUH066 Repeated exposure may cause skin dryness or cracking.

**Further information:**

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008: Calculation method

**Abbreviations and acronyms:**

CLP: REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
EINECS: European Inventory of Existing Commercial Chemical Substances  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
MAK: maximum concentration of a chemical substance in the workplace  
AGW: occupational exposure limit  
PBT: persistent, bioaccumulative and toxic properties  
vPvB: very persistent and very bioaccumulative properties  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
VbF: Ordinance on the storage of combustible liquids, Austria  
Flam. Gas 1A: Flammable gases – Category 1A  
Aerosol 1: Aerosols – Category 1  
Press. Gas (Comp.): Gases under pressure – Compressed gas  
Flam. Liq. 2: Flammable liquids – Category 2  
Flam. Liq. 3: Flammable liquids – Category 3  
Flam. Sol. 2: Flammable solids – Category 2  
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  
Repr. 2: Reproductive toxicity – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
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  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

**Data compared to the previous version altered: -**