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

Printing date 24.09.2018 *Version number 5* *Revision: 02.08.2017*

*

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

· ***1.1 Product identifier***

· ***Trade name: Sikla Korrosionsschutzspr. HCP400ml***

· ***Article number:*** *76 9052, T7003740*
· ***1.2 Relevant identified uses of the substance or mixture and uses advised against***
No further relevant information available.
· ***Application of the substance / the mixture:***
Anticorrosion additive
Coating

· ***1.3 Details of the supplier of the safety data sheet***
· ***Manufacturer/Supplier:***
Sikla GmbH
In der Lache 17
D-78056 VS-Schwenningen
Tel.: +49 - 7720 948-0
Email Anschrift: info@sikla.de

· ***Further information obtainable from:*** *Department of Clinical Toxicology and Poison Centre Munich*
· ***1.4 Emergency telephone number:*** *+49 (0) 89-19240 - 24 hours / 7 days*

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.*

GHS05 corrosion

Eye Dam. 1 *H318* *Causes serious eye damage.*

GHS09 environment

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

GHS07

Skin Irrit. 2 *H315* *Causes skin irritation.*

Asp. Tox. 1 *H304* *May be fatal if swallowed and enters airways.*

· ***2.2 Label elements***
· ***Labelling according to Regulation (EC) No 1272/2008***
The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

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

Printing date 24.09.2018 *Version number 5* *Revision: 02.08.2017*

Trade name: Sikla Korrosionsschutzspr. HCP400ml

(Contd. of page 1)

· ***Hazard pictograms***

GHS02 GHS05 GHS09

· ***Signal word*** *Danger*

· ***Hazard-determining components of labelling:***
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
xylene
· ***Hazard statements***
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H315 Causes skin irritation.
H318 Causes serious eye damage.
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.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
· ***Additional information:***
Buildup of explosive mixtures possible without sufficient ventilation.
· ***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-xxxx*	*dimethyl ether* *Flam. Gas 1, H220; Press. Gas C, H280*	*30-50%*
EC number: 921-024-6 *Reg.nr.: 01-2119475514-35-xxxx*	*Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane* *Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336*	*10-20%*
CAS: 1330-20-7 *EINECS: 215-535-7* *Index number: 601-022-00-9* *Reg.nr.: 01-2119488216-32-xxxx*	*xylene* *Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315*	*10-20%*

(Contd. on page 3)

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

Printing date 24.09.2018 *Version number 5* *Revision: 02.08.2017*

Trade name: Sikla Korrosionsschutzspr. HCP400ml

(Contd. of page 2)

	Anorganisches Polymerisat *Flam. Sol. 1, H228; Eye Dam. 1, H318; Skin Irrit. 2, H315*	*10-20%*
CAS: 7440-66-6 *EINECS: 231-175-3* *Index number: 030-001-01-9* *Reg.nr.: 01-2119467174-37-xxxx*	*zinc powder -zinc dust (stabilized)* *Aquatic Acute 1, H400; Aquatic Chronic 1, H410*	*≥2.5-≤10%*
CAS: 100-41-4 *EINECS: 202-849-4* *Index number: 601-023-00-4* *Reg.nr.: 2119489370-35*	*ethylbenzene* *Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332*	*1-10%*

· ***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 skin contact:*** *Immediately wash with water and soap and rinse thoroughly.*
· ***After eye contact:*** *Rinse opened eye for several minutes under running water. Then consult a doctor.*
· ***After swallowing:*** *If symptoms persist consult doctor.*
· ***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*** *No further relevant information available.*
· ***5.3 Advice for firefighters***
· ***Protective equipment:*** *No special measures required.*
· ***Additional information***
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

· ***6.1 Personal precautions, protective equipment and emergency procedures***
Wear protective equipment. Keep unprotected persons away.
· ***6.2 Environmental precautions:***
Do not allow product to reach sewage system or any water course.
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:***
Use neutralising agent.
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.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· ***7.1 Precautions for safe handling*** *No special precautions are necessary if used correctly.*

(Contd. on page 4)

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

Printing date 24.09.2018 *Version number 5* *Revision: 02.08.2017*

Trade name: Sikla Korrosionsschutzspr. HCP400ml

(Contd. of page 3)

· ***Information about fire - and explosion protection:***
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
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***
· ***Storage:***
· ***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:***
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.
· ***Storage class:*** *2 B*
· ***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	
IOELV	*Long-term value: 1920 mg/m³, 1000 ppm*
1330-20-7 xylene	
IOELV	*Short-term value: 442 mg/m³, 100 ppm* *Long-term value: 221 mg/m³, 50 ppm* *Skin*
100-41-4 ethylbenzene	
IOELV	*Short-term value: 884 mg/m³, 200 ppm* *Long-term value: 442 mg/m³, 100 ppm* *Skin*

· ***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.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
· ***Respiratory protection:***
type A
Filter P2
Filter P3
Not necessary if room is well-ventilated.
· ***Protection of hands:***

Protective gloves

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.

(Contd. on page 5)

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

Printing date 24.09.2018 *Version number 5* *Revision: 02.08.2017*

Trade name: Sikla Korrosionsschutzspr. HCP400ml

(Contd. of page 4)

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

· ***Material of gloves***
Fluorocarbon rubber (Viton)
Recommended thickness of the material: ≥ 0.4 mm
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***
Value for the permeation: Level ≤ 6
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

· ***9.1 Information on basic physical and chemical properties***	
· ***General Information***	
· ***Appearance:***	
Form:	*Aerosol*
Colour:	*Silver-coloured*
· ***Odour:***	*Characteristic*
· ***Odour threshold:***	*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:***	*-41 °C*
· ***Flammability (solid, gas):***	*Not applicable.*
· ***Ignition temperature:***	*>200 °C*
· ***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.*
· ***Explosion limits:***	
Lower:	*1 Vol %*
Upper:	*18.6 Vol %*
· ***Vapour pressure at 20 °C:***	*5,000 hPa*
· ***Density at 20 °C:***	*0.82 g/cm³*
· ***Relative density***	*Not determined.*
· ***Vapour density***	*Not determined.*
· ***Evaporation rate***	*Not applicable.*
· ***Solubility in / Miscibility with water:***	*Not miscible or difficult to mix.*

(Contd. on page 6)

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

Printing date 24.09.2018 *Version number 5* *Revision: 02.08.2017*

Trade name: Sikla Korrosionsschutzspr. HCP400ml

(Contd. of page 5)

· ***Partition coefficient: n-octanol/water:***	*Not determined.*
· ***Viscosity:***	
Dynamic:	*Not determined.*
Kinematic:	*Not determined.*
· ***Solvent content:***	
Organic solvents:	*76.7 %*
VOC (EC)	*629 g/l*
	76.73 %
Solids content:	*15.7 %*
· ***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 values relevant for classification:***		
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane		
Oral	*LD50*	*>5,840 mg/kg (rat) (OECD 401)*
Dermal	*LD50*	*>2,920 mg/kg (rabbit) (OECD 402)*
Inhalative	*LC50/4 h*	*25.2 mg/l (rat)*
1330-20-7 xylene		
Oral	*LD50*	*4,300 mg/kg (rat)*
Dermal	*LD50*	*2,000 mg/kg (rabbit)*
Inhalative	*LC50/4 h*	*21 mg/l (rat)*

· ***Primary irritant effect:***
· ***Skin corrosion/irritation***
Causes skin irritation.
· ***Serious eye damage/irritation***
Causes serious eye damage.
· ***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.*
· ***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*** *Based on available data, the classification criteria are not met.*
· ***STOT-repeated exposure*** *Based on available data, the classification criteria are not met.*
· ***Aspiration hazard***
May be fatal if swallowed and enters airways.

(Contd. on page 7)

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

Printing date 24.09.2018 *Version number 5* *Revision: 02.08.2017*

Trade name: Sikla Korrosionsschutzspr. HCP400ml

(Contd. of page 6)

*
SECTION 12: Ecological information

· ***12.1 Toxicity***

· ***Aquatic toxicity:***	
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	
EL50/48h	*3 mg/l (Daphnia magna (Großer Wasserfloh))*
EL50/72h	*30 mg/l ((Alge (Pseudokirchneriella subcapitata)))*
LL50/96h	*11.4 mg/l (Oncorhynchus mykiss (Regenbogenforelle))*

· ***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.
Must not reach sewage water or drainage ditch undiluted or unneutralised.
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***	
*15 01 10**	*packaging containing residues of or contaminated by hazardous substances*
15 01 04	*metallic packaging*

· ***Uncleaned packaging:***
· ***Recommendation:*** *Disposal must be made according to official regulations.*

SECTION 14: Transport information

· ***14.1 UN-Number***	
· ***ADR, IMDG, IATA***	*UN1950*
· ***14.2 UN proper shipping name***	
· ***ADR***	*1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS*
· ***IMDG***	*AEROSOLS (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane, zinc powder -zinc dust (stabilized)), MARINE POLLUTANT*
· ***IATA***	*AEROSOLS, flammable*

(Contd. on page 8)

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

Printing date 24.09.2018 *Version number 5* *Revision: 02.08.2017*

Trade name: Sikla Korrosionsschutzspr. HCP400ml

(Contd. of page 7)

· ***14.3 Transport hazard class(es)***

· ***ADR***

· ***Class***	*2 5F Gases.*
· ***Label***	*2.1*

· ***IMDG***

· ***Class***	*2.1*
· ***Label***	*2.1*

· ***IATA***

· ***Class***	*2.1*
· ***Label***	*2.1*

· ***14.4 Packing group***	
· ***ADR, IMDG, IATA***	*Void*
· ***14.5 Environmental hazards:***	*Product contains environmentally hazardous substances: zinc powder -zinc dust (stabilized)*
· ***Marine pollutant:***	*Yes*
	Symbol (fish and tree)
· ***Special marking (ADR):***	*Symbol (fish and tree)*
· ***14.6 Special precautions for user***	*Warning: Gases.*
· ***Danger code (Kemler):***	*-*
· ***EMS Number:***	*F-D,S-U*
· ***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.*
· ***Segregation Code***	*SG69 For AEROSOLS with a maximum capacity of 1 litre: 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 Marpol and the IBC Code***	*Not applicable.*
· ***Transport/Additional information:***	
· ***ADR***	
· ***Limited quantities (LQ)***	*1L*
· ***Excepted quantities (EQ)***	*Code: E0*
	Not permitted as Excepted Quantity
· ***Transport category***	*2*

(Contd. on page 9)

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

Printing date 24.09.2018 *Version number 5* *Revision: 02.08.2017*

Trade name: Sikla Korrosionsschutzspr. HCP400ml

(Contd. of page 8)

· ***Tunnel restriction code***	*D*
· ***IMDG***	
· ***Limited quantities (LQ)***	*1L*
· ***Excepted quantities (EQ)***	*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.
H228 Flammable solid.
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.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H373 May cause damage to the hearing 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.

· ***Department issuing SDS:*** *Product safety department*
· ***Contact:*** *Mr. Jochen Mandel*
· ***Abbreviations and acronyms:***
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)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic

(Contd. on page 10)

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

Printing date 24.09.2018 *Version number 5* *Revision: 02.08.2017*

Trade name: Sikla Korrosionsschutzspr. HCP400ml

(Contd. of page 9)

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
Flam. Sol. 1: Flammable solids – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
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.***