

Hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

Product identifier

Trade name: **SPRAY P311 ZINC WELDING PRIMER**

Article number: 210

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

Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

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

Product category PC9b Fillers, putties, plasters, modelling clay

Process category PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

Environmental release category ERC2 Formulation into mixture

Article category AC1 Vehicles

Application of the substance / the mixture Surface protection

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

HB BODY S.A.

B' ENTRANCE BLOCK 50 DA9 & MB6 Str

THESSALONIKI INDUSTRIAL AREA

57.022, SINDOS

THESSALONIKI, GREECE

Ph: +30 2310 790 000

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www.hbbody.com

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Further information obtainable from:

HB BODY S.A.

B' ENTRANCE BLOCK 50 DA9 & MB6 Str

THESSALONIKI INDUSTRIAL AREA

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Ph: +30 2310 790 000

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www.hbbody.com

email: hbbody@hbbody.com

Emergency telephone number:

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131 126, New Zeland 0800 764 766.

2 Hazard(s) Identification

Classification of the substance or mixture



Aerosol 1

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

Water-react. 1

H260 In contact with water releases flammable gases which may ignite spontaneously.

Trade name: SPRAY P311 ZINC WELDING PRIMER



health hazard

Muta. 1A

H340

May cause genetic defects.

Carc. 1A

H350

May cause cancer. Route of exposure: Inhalation.



Serious eye damage/irritation – Category 2A H319

Causes serious eye irritation.

STOT SE 3

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

Label elements

- GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).
- Hazard pictograms



GHS02



GHS07



GHS08

- Signal word Danger
- Hazard-determining components of labelling:
butane, pure
isobutane

Hazard statements

- H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.
- H260 In contact with water releases flammable gases which may ignite spontaneously.
- H319 Causes serious eye irritation.
- H340 May cause genetic defects.
- H350 May cause cancer. Route of exposure: Inhalation.
- H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P223 Keep away from any possible contact with water, because of violent reaction and possible flash fire.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P405 Store locked up.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3 Composition and Information on Ingredients

Chemical characterisation: Mixtures

- Description: Mixture of hazardous substances listed below with nonhazardous additions.

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Trade name: SPRAY P311 ZINC WELDING PRIMER**Dangerous components:**

CAS: 106-97-8	butane, pure	25-<30%
EINECS: 203-448-7	Flam. Gas 1A, H220	
Index number: 601-004-00-0	Press. Gas C, H280	
RTECS: EJ 4200000	Acute Tox. 3, H331	
	Muta. 1A, H340; Carc. 1A, H350	
CAS: 78-93-3	butanone	20-<25%
EINECS: 201-159-0	Flam. Liq. 2, H225	
Index number: 606-002-00-3	Serious eye damage/irritation – Category 2A, H319; STOT SE 3, H335-H336	
RTECS: EL 6475000		
CAS: 7440-66-6	zinc	15-<20%
EINECS: 231-175-3	Pyr. Liq. 1, H250; Pyr. Sol. 1, H250; Water-react. 1, H260	
Index number: 030-001-00-1		
RTECS: ZG 8600000		
CAS: 1330-20-7	xylene	5-<10%
EINECS: 215-535-7	Flam. Liq. 3, H226	
Index number: 601-022-00-9	Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	
RTECS: ZE 2100000		
CAS: 75-28-5	isobutane	1-<5%
EINECS: 200-857-2	Flam. Gas 1A, H220	
Index number: 601-004-00-0	Press. Gas C, H280	
RTECS: TZ 4300000	Muta. 1A, H340; Carc. 1A, H350	
CAS: 74-98-6	propane	1-<5%
EINECS: 200-827-9	Flam. Gas 1A, H220	
Index number: 601-003-00-5	Press. Gas C, H280	
RTECS: TX 2275000		
CAS: 1333-86-4	Carbon black	1-<5%
EINECS: 215-609-9		
RTECS: FF 5150100		

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

4 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. Remove contact lenses in case of eye contamination and irrigate copiously with clean water for at least 15 minutes trying to hold the eye lids open.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
Most important symptoms and effects, both acute and delayed No further relevant information available.
Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Fire Fighting Measures

- **Suitable extinguishing agents:**
Extinguishing powder. Do not use water.
CO₂. Do not use water.
Sand. Do not use water.

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Trade name: SPRAY P311 ZINC WELDING PRIMER

Special powder for metal fires. Do not use water.

General aqueous film forming foam, Carbon dioxide (CO₂), dry chemical extinguishing powder or water spray. Do not use water.

- **For safety reasons unsuitable extinguishing agents:** Water
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Hazardous combustion products**
Fire will produce a dense black smoke containing hazardous decomposition by products. Exposure to those may be a hazard to health.
- **Advice for firefighters**
Firefighters should always protective equipment and breathing apparatus when handling fire coming from these products
- **Speial protective equipment and fire fighting procedures:** No special measures required.
- **Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **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.

7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
- **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.
- **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:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see section 7.

Trade name: SPRAY P311 ZINC WELDING PRIMER**Ingredients with limit values that require monitoring at the workplace:****106-97-8 butane, pure**WES Long-term value: 1900 mg/m³, 800 ppm**78-93-3 butanone**WES Short-term value: 890 mg/m³, 300 ppmLong-term value: 445 mg/m³, 150 ppm**1330-20-7 xylene**WES Short-term value: 655 mg/m³, 150 ppmLong-term value: 350 mg/m³, 80 ppm**74-98-6 propane**

WES Asphyxiant

1333-86-4 Carbon blackWES Long-term value: 3 mg/m³

· Additional information: The lists valid during the making were used as basis.

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.

Store protective clothing separately.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

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:

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.

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

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

· For the permanent contact gloves made of the following materials are suitable: Fluorocarbon rubber (Viton)

· For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Rubber gloves

Eye protection:

Safety glasses



Tightly sealed goggles

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Trade name: SPRAY P311 ZINC WELDING PRIMER

- Body protection: Protective work clothing

9 Physical and Chemical Properties**General Information**

- Appearance:
- Form: Aerosol
- Colour: According to product specification
- Odour: Characteristic
- Odour threshold: Not determined.
- **pH-value:** Mixture is non-soluble (in water).
- **Change in condition**
- Melting point/freezing point: Undetermined.
- Initial boiling point and boiling range: -44.5 °C
- **Flash point:** < 0 °C
- **Flammability (solid, gas):** Contact with water liberates extremely flammable gases.
- **Autoignition temperature:** 365 °C
- Decomposition temperature: Not determined.
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Risk of explosion by shock, friction, fire or other sources of ignition.
- **Explosion limits:**
- Lower: 1.5 Vol %
- Upper: 11.5 Vol %
- **Vapour pressure at 20 °C:** 2,100 hPa
- **Density:** Not determined.
- 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: 56.5 %
- VOC (EC) 597.4 g/l
- Solids content (volume): 37.5 %
- **Other information** No further relevant information available.

10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Contact with water releases flammable gases.
- **Conditions to avoid** No further relevant information available.

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Trade name: SPRAY P311 ZINC WELDING PRIMER

- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Information on toxicological effects**
- Acute toxicity Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Dermal LD50 28.515 mg/kg (rabbit)

Inhalative LC50/4 h 147 mg/l

106-97-8 butane, pure

Inhalative LC50/4 h 658 mg/l (rat)

78-93-3 butanone

Oral LD50 3,300 mg/kg (rat)

Dermal LD50 5,000 mg/kg (rabbit)

1330-20-7 xylene

Oral LD50 4,300 mg/kg (rat)

Dermal LD50 2,000 mg/kg (rabbit)

Inhalative LC50/4 h 11 mg/l (ATE)

1333-86-4 Carbon black

Oral LD50 10,000 mg/kg (rat)

- 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.
- Germ cell mutagenicity May cause genetic defects.
- Carcinogenicity May cause cancer. Route of exposure: Inhalation.
- 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 Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

12 Ecological Information

- **Toxicity**
- Aquatic toxicity:
This product is not toxic for the aquatic life. Nevertheless do not dispose the product or any cleaning solvents used along with this product into the sea
- **Persistence and degradability**
This product contains polyesteric molecules and organic solvents and is not known to be bioaccumulative. It can be considered as biodegradable in small quantities. In case of disposal, it should be treated as a hazardous material and should be disposed accordingly. Do not just throw it away
- **Behaviour in environmental systems:**
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- **Additional ecological information:**
- General notes:
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

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Trade name: SPRAY P311 ZINC WELDING PRIMER

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.

Results of PBT and vPvB assessment

- PBT: This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT).
- vPvB: This mixture contains no substance that is considered to be very persistent or very bioaccumulating (vPvB).
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

Waste treatment methods

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

Uncleaned packaging:

- Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number

- ADG, IMDG, IATA UN1950

UN proper shipping name

- ADG UN1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
- IMDG AEROSOLS, MARINE POLLUTANT
- IATA AEROSOLS, flammable

Transport hazard class(es)

- ADG



- Class 2.5F Gases.
- Label 2.1

- IMDG



- Class 2.1 Gases.
- Label 2.1

- IATA



- Class 2.1 Gases.
- Label 2.1

Packing group

- ADG, IMDG, IATA Void

Trade name: SPRAY P311 ZINC WELDING PRIMER**Environmental hazards:**

· Marine pollutant:	Yes Symbol (fish and tree)
· Special marking (ADG):	Symbol (fish and tree)
· Special precautions for user	Warning: Gases.
· Hazard identification number (Kemler code):	-
· 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.
· <u>Transport in bulk according to Annex II of Marpol and the IBC Code</u>	Not applicable.
· <u>Transport/Additional information:</u>	
· ADG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Transport category	2
· Tunnel restriction code	D
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· <u>UN "Model Regulation":</u>	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture**

- None of the ingredients is listed.
- Australian Inventory of Industrial Chemicals

106-97-8 butane, pure
78-93-3 butanone
7440-66-6 zinc
1330-20-7 xylene
75-28-5 isobutane
74-98-6 propane
1333-86-4 Carbon black
112945-52-5 Silica dioxide

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Trade name: **SPRAY P311 ZINC WELDING PRIMER**

· Standard for the Uniform Scheduling of Medicines and Poisons

78-93-3 butanone: S5

1330-20-7 xylene: S6

· Australia: Priority Existing Chemicals

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· Hazard pictograms



GHS02 GHS07 GHS08

· Signal word Danger

· Hazard-determining components of labelling:

butane, pure
isobutane

· Hazard statements

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

H260 In contact with water releases flammable gases which may ignite spontaneously.

H319 Causes serious eye irritation.

H340 May cause genetic defects.

H350 May cause cancer. Route of exposure: Inhalation.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P223 Keep away from any possible contact with water, because of violent reaction and possible flash fire.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

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

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

· **Directive 2012/18/EU**

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· Seveso category

O2 Substances and mixtures which in contact with water emit flammable gases

P3a FLAMMABLE AEROSOLS

E2 Hazardous to the Aquatic Environment

· Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t

· Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

· **National regulations:**

· Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

· **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

* 16 Other information

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

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Trade name: SPRAY P311 ZINC WELDING PRIMER

· **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.

H260 In contact with water releases flammable gases which may ignite spontaneously.

H280 Contains gas under pressure; may explode if heated.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H340 May cause genetic defects.

H350 May cause cancer.

· **Department issuing SDS:** Department of Quality Control

· **Contact:**

HB BODY S.A

Ms Olympia Stamkou

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· * Data compared to the previous version altered.

Trade name: SPRAY P311 ZINC WELDING PRIMER

* **Annex: Exposure scenario 1**

· **Short title of the exposure scenario**

· **Sector of Use**

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

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

· **Product category PC9b** Fillers, putties, plasters, modelling clay

· **Process category PROC8a** Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

· **Article category AC1** Vehicles

· **Environmental release category ERC2** Formulation into mixture

· **Description of the activities / processes covered in the Exposure Scenario**

See section 1 of the annex to the Safety Data Sheet.

· **Conditions of use** According to directions for use.

· **Duration and frequency** Frequency of use:

· **Physical parameters**

The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.

· **Physical state** Aerosol

· **Concentration of the substance in the mixture** The substance is main component.

· **Used amount per time or activity** Smaller than 100 g per application.

· **Other operational conditions**

· **Other operational conditions affecting environmental exposure** Use only on hard ground.

· **Other operational conditions affecting worker exposure**

Avoid contact with eyes.

Take precautionary measures against static discharge.

Keep away from sources of ignition - No smoking.

Keep container dry.

Avoid contact with the skin.

· **Other operational conditions affecting consumer exposure**

No special measures required.

Keep out of the reach of children.

· **Other operational conditions affecting consumer exposure during the use of the product** Not applicable.

· **Risk management measures**

· **Worker protection**

· **Organisational protective measures**

Ensure good ventilation. This can be achieved by using a local exhaust or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.

· **Technical protective measures**

Provide explosion-proof electrical equipment.

Use product only in enclosed systems.

Store in cool, dry place in tightly closed receptacles.

Ensure that suitable extractors are available on processing machines

Do not dilute with water.

· **Personal protective measures**

Avoid contact with the eyes.

Tightly sealed goggles

Avoid contact with the skin.

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.

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

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Trade name: SPRAY P311 ZINC WELDING PRIMER**· Measures for consumer protection**

Ensure adequate labelling.

Observe consumer information and advice on safe use.

Keep locked up and out of the reach of children.

· Environmental protection measures**· Water**

Do not allow to reach sewage system. Dispose of this product and its container at hazardous or special waste collection point.

Do not allow to reach sewage system.

· Soil

Prevent contamination of soil.

The product is only processed over the concrete collecting basin.

· Disposal measures Ensure that waste is collected and contained.**· Disposal procedures**

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

· Waste type Partially emptied and uncleaned packaging**· Exposure estimation****· Consumer**

This product is to be used by professional technicians only.

Not relevant for this Exposure Scenario.

· Guidance for downstream users

Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8.

Trade name: SPRAY P311 ZINC WELDING PRIMER

* **Annex: Exposure scenario 2**

· **Description of the activities / processes covered in the Exposure Scenario**

See section 1 of the annex to the Safety Data Sheet.

· **Conditions of use** According to directions for use.

· **Duration and frequency** Frequency of use:

· **Physical parameters**

The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.

· **Physical state** Fluid

· **Concentration of the substance in the mixture** Raw material.

· **Other operational conditions**

· **Other operational conditions affecting environmental exposure** No special measures required.

· **Other operational conditions affecting worker exposure**

Avoid contact with eyes.

Take precautionary measures against static discharge.

Keep away from sources of ignition - No smoking.

· **Other operational conditions affecting consumer exposure** No special measures required.

· **Other operational conditions affecting consumer exposure during the use of the product** Not applicable.

· **Risk management measures**

· **Worker protection**

· **Organisational protective measures**

Ensure good ventilation. This can be achieved by using a local exhaust or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.

· **Technical protective measures**

Provide explosion-proof electrical equipment.

Ensure that suitable extractors are available on processing machines

· **Personal protective measures**

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

Tightly sealed goggles

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

· **Measures for consumer protection**

Ensure adequate labelling.

Observe consumer information and advice on safe use.

· **Environmental protection measures**

· **Water**

Do not allow to reach sewage system. Dispose of this product and its container at hazardous or special waste collection point.

· **Soil** The product is only processed over the concrete collecting basin.

· **Disposal measures** Ensure that waste is collected and contained.

· **Disposal procedures**

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

· **Waste type** Partially emptied and uncleaned packaging

· **Exposure estimation**

· **Consumer**

This product is to be used by professional technicians only.

Not relevant for this Exposure Scenario.

Trade name: SPRAY P311 ZINC WELDING PRIMER

Guidance for downstream users

Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8.

AU