

1 Identification of the substance or mixture and of the supplier**Product identifier**

This Safety Data Sheet has been prepared in accordance with the New Zealand Hazardous Substances and New Organisms Act 1996 (HSNO) and as amended.

Other means of identification

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

Article number: W035

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

Sector of Use

SU21 Consumer uses: Private households / general public / consumers

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

Fax: +30 2310 790 033

www.hbbody.com

email: hbbody@hbbody.com

Further information obtainable from:

Wyatt Machine Tools (Rupes) NZ Limited

Address: 388 Church Street, Penrose, Auckland

Ph (09) 525 1000; Fax (09) 525 1009

Emergency telephone number: NZ Emergency 0800 992 881 (0800WYATT1)

Emergency telephone number:

24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

2 Hazards identification**Classification of the substance or mixture**

GHS02 flame

Aerosols Category 1

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated.

Substances and mixtures which, in contact with water, emit flammable gases Category 1
In contact with water releases flammable gases which may ignite spontaneously.

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Trade name: SPRAY P311 ZINC WELDING PRIMER



GHS09 environment

Hazardous to the aquatic environment chronic Category 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Eye irritation Category 2

H319 Causes serious eye irritation.

Specific target organ toxicity - single exposure Category 3

H336 May cause drowsiness or dizziness.

Additional information:

2.1.2A Flammable aerosol

8.3A Substances that are corrosive to ocular tissue

6.9 (Narcotic) Substances that are harmful to human target organs or systems

6.4A Substances that are irritating to the eye

4.3A Solids that emit flammable gas when in contact with water: high hazard

2.1.1 AFlammable gas - high hazard

Label elements

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

Hazard pictograms



GHS02

GHS07

GHS09

Signal word Danger

Hazard-determining components of labelling:
butanone

Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated.

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

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.

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

P223 Do not allow contact with water.

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

This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT). This mixture contains no substance that is considered to be very persistent or very bioaccumulating (vPvB).

PBT: Not applicable.














vPvB: Not applicable.

3 Composition/Information on ingredients

Chemical characterisation: Mixtures

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

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	
CAS: 78-93-3	butanone	20-<25%
EINECS: 201-159-0	 Flam. Liq. 2, H225	
Index number: 606-002-00-3	 Eye Irrit. 2, H319; STOT SE 3, H336	
RTECS: EL 6475000		
CAS: 7440-66-6	zinc	15-<20%
EINECS: 231-175-3	 Pyr. Sol. 1, H250; Water-react. 1, H260	
Index number: 030-001-00-1	 Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1)	
RTECS: ZG 8600000		
CAS: 1330-20-7	xylene	5-<10%
Index number: 601-022-00-9	 Flam. Liq. 3, H226	
	 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	
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		
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**Description of first aid measures**

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact:
 - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. 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**Extinguishing media****Suitable extinguishing agents:**

- Extinguishing powder. Do not use water.
- CO₂. Do not use water.
- Sand. Do not use water.
- 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

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Trade name: SPRAY P311 ZINC WELDING PRIMER

- **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**
HAZ CHEM CODE: N/A
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 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.
- **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.
- **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.
- **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:**
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/personal protection

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

106-97-8 butane, pureWES (New Zealand) Long-term value: 1900 mg/m³, 800 ppm

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Trade name: SPRAY P311 ZINC WELDING PRIMER**78-93-3 butanone**

WES (New Zealand) Short-term value: 890 mg/m³, 300 ppm
Long-term value: 445 mg/m³, 150 ppm
bio

IOELV (EU) Short-term value: 900 mg/m³, 300 ppm
Long-term value: 600 mg/m³, 200 ppm

1330-20-7 xylene

WES (New Zealand) Long-term value: 217 mg/m³, 50 ppm
oto, bio

IOELV (EU) Short-term value: 442 mg/m³, 100 ppm
Long-term value: 221 mg/m³, 50 ppm
Skin

74-98-6 propane

WES (New Zealand) Simple asphyxiant; may present an explosion hazard

1333-86-4 Carbon black

WES (New Zealand) Long-term value: 3 mg/m³
Suspected carcinogen

· **Regulatory information**

WES (New Zealand): Workplace Exposure Standards and Biological Exposure Indices

IOELV (EU): (EU) 2019/1831

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

· **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 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

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Trade name: SPRAY P311 ZINC WELDING PRIMER

- Eye protection:
Safety glasses



Tightly sealed goggles

- Body protection: Protective work clothing

9 Physical and chemical properties**Information on basic 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

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

Vapour pressure:

· 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):

40.3 %

Other information

· Particle characteristics

Not applicable.

· Physical state

Aerosol

10 Stability and reactivity

- **Reactivity** No further relevant information available.

Trade name: SPRAY P311 ZINC WELDING PRIMER**· Chemical stability**

· 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.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:** No dangerous decomposition products known.

*** 11 Toxicological information****· Information on toxicological effects**

· Acute toxicity

· 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)

· Primary irritant effect:

· Skin corrosion/irritation No irritant effect.

· Serious eye damage/irritation Irritating effect.

· Respiratory or skin sensitisation Sensitising effect through inhalation is possible by prolonged exposure.

· Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

*** 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.

· Ecotoxic effects:

· Remark: Toxic for fish

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Trade name: SPRAY P311 ZINC WELDING PRIMER

Additional ecological information:

General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

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

NZS, IMDG, IATA UN1950

UN proper shipping name

NZS UN1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
IMDG AEROSOLS, MARINE POLLUTANT
IATA AEROSOLS, flammable

Transport hazard class(es)

NZS



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

NZS, IMDG, IATA Void

Trade name: SPRAY P311 ZINC WELDING PRIMER

<u>Environmental hazards:</u>	
· Marine pollutant:	Yes Symbol (fish and tree)
· Special marking (NZS):	Symbol (fish and tree)
<u>Special precautions for user</u>	
· Hazard identification number (Kemler code):	Warning: Gases.
· EMS Number:	-
· Stowage Code	F-D,S-U 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>	
· NZS	
· 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
· IATA	
· Remarks:	HAZ CHEM CODE : N/A
· <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

HSNO Controls

Approved handler test certificate containers greater than 5L) or	Class 3, required when present in quantities greater than 250L (when in 500L (when in containers up to and including 5L)
Location and transit Depot including 5L) 50L (open containers).	100L (closed containers greater than 5L) 250L (closed containers up to and including 5L)
Hazardous Atmosphere Zone containers in continuous use)	100L (closed containers) 25L (decanting) 5L (open occasionally) 1L (open occasionally)
Fire extinguishers	Two required for 250 L
Emergency response plan	100L (for HSNO 9.1A substance or 1,000L (for all other substances)
Secondary containment	100L (for HSNO 9.1A substance or 1,000L (for all other substances)
Tracking	Not Required
Warning signage	100L (for HSNO 9.1A substance or 250L (for all other substances)

Trade name: SPRAY P311 ZINC WELDING PRIMER

None of the ingredients is listed.

· New Zealand Inventory of 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

· HSNO Approval numbers

HSNO Number/HSNO Group Standard HSR002515

106-97-8 butane, pure: HSR000989

78-93-3 butanone: HSR001190

1330-20-7 xylene: HSR000983

75-28-5 isobutane: HSR001003

74-98-6 propane: HSR001010

1333-86-4 Carbon black: HSR002801

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

· Hazard pictograms



GHS02 GHS07 GHS09

· Signal word Danger

· Hazard-determining components of labelling:

butanone

· Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated.

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

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

P102 Keep out of reach of children.

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

P223 Do not allow contact with water.

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

Trade name: SPRAY P311 ZINC WELDING PRIMER

- **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.

- **Reasons for alterations**

- **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.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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

- **Contact:**

HB BODY S.A

Regulatory Officer

Ms Athina Kapourani

Ph: +30 2310 790000

email: a.kapourani@hbbody.com

- * 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**

SU21 Consumer uses: Private households / general public / consumers

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 exhaustion 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.

The highest inhalative exposure to be expected for consumers is 50 ppm.

The highest dermal exposure to be expected for consumers is 1 mg / kg / day.

The highest oral exposure to be expected for consumers is 1 mg / kg / day.

· 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 exhaustion 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.

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.