

Safety Data Sheet

MasterProtect P 8100AP also ZINCRICH REBAR PRIMER

Revision date : 2015/04/17

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(30605850/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

MasterProtect P 8100AP also ZINCRICH REBAR PRIMER

Recommended use of the chemical and restriction on use

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Chemical family: No applicable information available.

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

| | | |
|-------------------|----|--|
| Flam. Liq. | 2 | Flammable liquids |
| Skin Corr./Irrit. | 2 | Skin corrosion/irritation |
| Eye Dam./Irrit. | 2A | Serious eye damage/eye irritation |
| Skin Sens. | 1 | Skin sensitization |
| Carc. | 2 | Carcinogenicity |
| STOT RE | 2 | Specific target organ toxicity — repeated exposure |
| Aquatic Acute | 1 | Hazardous to the aquatic environment - acute |

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Aquatic Chronic

1

Hazardous to the aquatic environment - chronic

Label elements

Pictogram:



Signal Word:

Danger

Hazard Statement:

| | |
|------|---|
| H225 | Highly flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H351 | Suspected of causing cancer. |
| H373 | May cause damage to organs (Auditory organ) through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

Precautionary Statements (Prevention):

| | |
|------|--|
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P273 | Avoid release to the environment. |
| P260 | Do not breathe dust/gas/mist/vapours. |
| P201 | Obtain special instructions before use. |
| P243 | Take precautionary measures against static discharge. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P241 | Use explosion-proof electrical/ventilating/lighting/equipment. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P233 | Keep container tightly closed. |
| P242 | Use only non-sparking tools. |
| P240 | Ground/bond container and receiving equipment. |
| P264 | Wash with plenty of water and soap thoroughly after handling. |

Precautionary Statements (Response):

| | |
|--------------------|--|
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308 + P311 | IF exposed or concerned: Call a POISON CENTER or doctor/physician. |
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P303 + P352 | IF ON SKIN (or hair): Wash with plenty of soap and water. |
| P333 + P311 | If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician. |
| P391 | Collect spillage. |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention. |
| P362 + P364 | Take off contaminated clothing and wash before reuse. |
| P337 + P311 | If eye irritation persists: Call a POISON CENTER or doctor/physician. |
| P370 + P378 | In case of fire: Use water spray, dry powder or carbon dioxide for extinction. |

Precautionary Statements (Storage):

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P405 Store locked up.
P403 + P235 Store in a well-ventilated place. Keep cool.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

| <u>CAS Number</u> | <u>Content (W/W)</u> | <u>Chemical name</u> |
|-------------------|----------------------|-----------------------------------|
| 7440-66-6 | >= 50.0 - < 75.0 % | zinc |
| 78-93-3 | >= 7.0 - < 10.0 % | Methylethylketone |
| 1330-20-7 | >= 7.0 - < 10.0 % | Xylene |
| 25068-38-6 | >= 5.0 - < 7.0 % | bisphenol A-epichlorohydrin resin |
| 100-41-4 | >= 1.0 - < 3.0 % | ethylbenzene |
| 108-94-1 | >= 1.0 - < 3.0 % | cyclohexanone |
| 14807-96-6 | >= 1.0 - < 3.0 % | talc |

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

If on skin:

Wash thoroughly with soap and water.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Hazards: No applicable information available.

Indication of any immediate medical attention and special treatment needed

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Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
carbon dioxide, dry powder, water spray

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
carbon monoxide, carbon dioxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Advice for fire-fighters

Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus.

Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Sources of ignition should be kept well clear. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

7. Handling and Storage

Precautions for safe handling

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

Protection against fire and explosion:

Keep away from heat. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Conditions for safe storage, including any incompatibilities

Segregate from metals. Segregate from lyes. Segregate from oxidants. Segregate from foods and animal feeds.

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Suitable materials for containers: tinned carbon steel (Tinplate)

Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

| | | |
|-------------------|-----------|--|
| Methylethylketone | OSHA PEL | PEL 200 ppm 590 mg/m ³ ; STEL value 300 ppm 885 mg/m ³ ; TWA value 200 ppm 590 mg/m ³ ; |
| | ACGIH TLV | TWA value 200 ppm ; STEL value 300 ppm ; |
| ethylbenzene | OSHA PEL | PEL 100 ppm 435 mg/m ³ ; STEL value 125 ppm 545 mg/m ³ ; TWA value 100 ppm 435 mg/m ³ ; |
| | ACGIH TLV | TWA value 20 ppm ; |
| cyclohexanone | OSHA PEL | PEL 50 ppm 200 mg/m ³ ; TWA value 25 ppm 100 mg/m ³ ; SKIN_FINAL ; The substance can be absorbed through the skin. |
| | ACGIH TLV | TWA value 20 ppm ; Skin Designation ; The substance can be absorbed through the skin. STEL value 50 ppm ; |
| Zinc oxide | OSHA PEL | PEL 15 mg/m ³ Total dust ; PEL 5 mg/m ³ Respirable fraction ; PEL 5 mg/m ³ fumes/smoke ; STEL value 10 mg/m ³ Total dust ; TWA value 5 mg/m ³ Respirable fraction ; TWA value 5 mg/m ³ fumes/smoke ; |
| | ACGIH TLV | TWA value 2 mg/m ³ Respirable fraction ; STEL value 10 mg/m ³ Respirable fraction ; |
| Xylene | OSHA PEL | PEL 100 ppm 435 mg/m ³ ; STEL value 150 ppm 655 mg/m ³ ; TWA value 100 ppm 435 mg/m ³ ; |
| | ACGIH TLV | TWA value 100 ppm ; STEL value 150 ppm ; |
| Aluminum oxide | OSHA PEL | PEL 5 mg/m ³ Respirable fraction ; PEL 15 mg/m ³ Total dust ; TWA value 10 mg/m ³ Total dust ; TWA value 5 mg/m ³ Respirable fraction ; |
| | ACGIH TLV | TWA value 1 mg/m ³ Respirable fraction ; |

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| | | |
|------|-----------|---|
| talc | OSHA PEL | TWA value 20 millions of particles per cubic foot of air ; TWA value 2.4 millions of particles per cubic foot of air Respirable ; The exposure limit is calculated from the equation, $250/(\%SiO_2+5)$, using a value of 100% SiO ₂ . Lower percentages of SiO ₂ will yield higher exposure limits. TWA value 0.1 mg/m ³ Respirable ; The exposure limit is calculated from the equation, $10/(\%SiO_2+2)$, using a value of 100% SiO ₂ . Lower percentages of SiO ₂ will yield higher exposure limits. TWA value 0.3 mg/m ³ Total dust ; The exposure limit is calculated from the equation, $30/(\%SiO_2+2)$, using a value of 100% SiO ₂ . Lower percentages of SiO ₂ will yield higher exposure limits. TWA value 2 mg/m ³ Respirable dust ; TWA value 0.3 mg/m ³ Total dust ; The exposure limit is calculated from the equation, $30/(\%SiO_2+2)$, using a value of 100% SiO ₂ . Lower percentages of SiO ₂ will yield higher exposure limits. TWA value 0.1 mg/m ³ Respirable ; The exposure limit is calculated from the equation, $10/(\%SiO_2+2)$, using a value of 100% SiO ₂ . Lower percentages of SiO ₂ will yield higher exposure limits. TWA value 2.4 millions of particles per cubic foot of air Respirable ; The exposure limit is calculated from the equation, $250/(\%SiO_2+5)$, using a value of 100% SiO ₂ . Lower percentages of SiO ₂ will yield higher exposure limits. TWA value 20 millions of particles per cubic foot of air ; |
| | ACGIH TLV | TWA value 2 mg/m ³ Respirable fraction ; The value is for particulate matter containing no asbestos and <1% crystalline silica. |

Advice on system design:

No applicable information available.

Personal protective equipment

Respiratory protection:

When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators.

Hand protection:

Wear chemical resistant protective gloves., Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Tightly fitting safety goggles (chemical goggles).

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Body protection:

Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

9. Physical and Chemical Properties

| | | |
|----------------------------|--|--------------------------------------|
| Form: | liquid | |
| Odour: | solvent-like | |
| Odour threshold: | | No applicable information available. |
| Colour: | grey | |
| pH value: | | neutral to slightly alkaline |
| Boiling point: | 79.44 - 141.11 °C | |
| Sublimation point: | | No applicable information available. |
| Flash point: | 4.44 °C 39.99 °F | |
| Flammability: | not determined | |
| Lower explosion limit: | 1.0 %(V) | |
| Upper explosion limit: | 13.7 %(V) | |
| Density: | 2.04 g/cm ³ approx. 16.97 lb/USg | (20 °C) (20 °C) |
| Relative density: | 2.04 | |
| Vapour density: | | Heavier than air. |
| Viscosity, kinematic: | | No applicable information available. |
| Solubility (quantitative): | | No applicable information available. |
| Solubility (qualitative): | No applicable information available. | |
| Evaporation rate: | | No applicable information available. |

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

The product is stable if stored and handled as prescribed/indicated.

Conditions to avoid

Incompatible materials

strong bases, strong acids, oxidizing agents

Hazardous decomposition products

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Decomposition products:
carbon oxides

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness.

Oral

No applicable information available.

Inhalation

No applicable information available.

Assessment other acute effects

No applicable information available.

Irritation / corrosion

Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation.

Sensitization

Assessment of sensitization: Sensitization after skin contact possible.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness. Overexposure may cause liver and kidney toxicity.

Carcinogenicity

Assessment of carcinogenicity: Contains a suspect carcinogen.
Indication of possible carcinogenic effect in animal tests.

Information on: ethylbenzene

Assessment of carcinogenicity: Indication of possible carcinogenic effect in animal tests. The effect is caused by an animal specific mechanism that has no human counter part. A clear indication of an increased risk of cancer in humans has so far not been shown. IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). NTP listed carcinogen

Information on: cyclohexanone

Assessment of carcinogenicity: In long-term animal studies in which the substance was given in the drinking water in high doses, a carcinogenic effect was observed. Due to the rat-specific mode of

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action, no carcinogenic effects are expected in man. Hence, the findings are of low relevance for humans. IARC Group 3 (not classifiable as to human carcinogenicity).

Reproductive toxicity

Assessment of reproduction toxicity: No applicable information available.

Teratogenicity

Assessment of teratogenicity: Contains a suspect teratogen.

Experiences in humans

According to experience, the product is considered to be harmless to health if used in the correct manner.

Other Information

The product has not been tested. The statement has been derived from the properties of the individual components.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Medical conditions aggravated by overexposure

The use of lead containing products is regulated under the OSHA Lead Standard (see 29 CFR 1910.1025).

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Acutely toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment. The product has not been tested. The statement has been derived from the properties of the individual components.

Additional information

Other ecotoxicological advice:

The product has not been tested. Do not allow to enter soil, waterways or waste water channels.

13. Disposal considerations

Waste disposal of substance:

Recommendations: Use excess product in an alternate beneficial application. Dispose of in accordance with national, state and local regulations.

Dispose of in accordance with national, state and local regulations.

Container disposal:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

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14. Transport Information

Land transport

USDOT

Hazard class: 3
Packing group: II
ID number: UN 1139
Hazard label: 3
Proper shipping name: COATING SOLUTION

Sea transport

IMDG

Hazard class: 3
Packing group: II
ID number: UN 1139
Hazard label: 3
Marine pollutant: NO
Proper shipping name: COATING SOLUTION

Air transport

IATA/ICAO

Hazard class: 3
Packing group: II
ID number: UN 1139
Hazard label: 3
Proper shipping name: COATING SOLUTION

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Acute; Chronic; Fire

EPCRA 313:

| <u>CAS Number</u> | <u>Chemical name</u> |
|-------------------|----------------------|
| 7439-92-1 | lead |
| 100-41-4 | ethylbenzene |
| 1344-28-1 | Aluminum oxide |
| 7440-66-6 | zinc |
| 1314-13-2 | Zinc oxide |
| 1330-20-7 | Xylene |

CERCLA RQ

| | <u>CAS Number</u> | <u>Chemical name</u> |
|----------|------------------------------|--|
| 5000 LBS | 78-93-3; 108-94-1 | Methylethylketone; cyclohexanone |
| 1000 LBS | 7440-66-6 | zinc |
| 1000 LBS | 100-41-4 | ethylbenzene |
| 100 LBS | 1330-20-7; 71-23-8; 107-98-2 | Xylene; 1-Propanol; 1-methoxypropan-2-ol |

