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


Classification of the product

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Liq.</td>
<td>2</td>
<td>Flammable liquids</td>
</tr>
<tr>
<td>Skin Corr./Irrit.</td>
<td>2</td>
<td>Skin corrosion/irritation</td>
</tr>
<tr>
<td>Eye Dam./Irrit.</td>
<td>2A</td>
<td>Serious eye damage/eye irritation</td>
</tr>
<tr>
<td>Skin Sens.</td>
<td>1</td>
<td>Skin sensitization</td>
</tr>
<tr>
<td>Carc.</td>
<td>2</td>
<td>Carcinogenicity</td>
</tr>
<tr>
<td>STOT RE</td>
<td>2</td>
<td>Specific target organ toxicity — repeated exposure</td>
</tr>
<tr>
<td>Aquatic Acute</td>
<td>1</td>
<td>Hazardous to the aquatic environment - acute</td>
</tr>
</tbody>
</table>
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):
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


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

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
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.
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**

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA PEL</th>
<th>STEL value</th>
<th>TWA value</th>
<th>PEL</th>
<th>STEL value</th>
<th>TWA value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylethylketone</td>
<td>PEL 200 ppm 590 mg/m3 ; STEL value 300 ppm 885 mg/m3 ; TWA value 200 ppm 590 mg/m3 ;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACGIH TLV TWA value 200 ppm ; STEL value 300 ppm ;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ethylbenzene</td>
<td>PEL 100 ppm 435 mg/m3 ; STEL value 125 ppm 545 mg/m3 ; TWA value 100 ppm 435 mg/m3 ;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACGIH TLV TWA value 20 ppm ;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>cyclohexanone</td>
<td>PEL 50 ppm 200 mg/m3 ; TWA value 25 ppm 100 mg/m3 ; SKIN_FINAL ;</td>
<td>The substance can be absorbed through the skin.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACGIH TLV TWA value 20 ppm ; Skin Designation ;</td>
<td>The substance can be absorbed through the skin.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>PEL 15 mg/m3 Total dust ; PEL 5 mg/m3 Respirable fraction ; PEL 5 mg/m3 fumes/smoke ; STEL value 10 mg/m3 fumes/smoke ; TWA value 10 mg/m3 Total dust ; TWA value 5 mg/m3 Respirable fraction ; TWA value 5 mg/m3 fumes/smoke ;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACGIH TLV TWA value 2 mg/m3 Respirable fraction ; STEL value 10 mg/m3 Respirable fraction ;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xylene</td>
<td>PEL 100 ppm 435 mg/m3 ; STEL value 150 ppm 655 mg/m3 ; TWA value 100 ppm 435 mg/m3 ;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACGIH TLV TWA value 100 ppm ; STEL value 150 ppm ;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminum oxide</td>
<td>PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ; TWA value 10 mg/m3 Total dust ; TWA value 5 mg/m3 Respirable fraction ;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACGIH TLV TWA value 1 mg/m3 Respirable fraction ;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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/(%SiO2+5), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.
TWA value 0.1 mg/m3 Respirable;
The exposure limit is calculated from the equation, 10/(%SiO2+2), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.
TWA value 0.3 mg/m3 Total dust;
The exposure limit is calculated from the equation, 30/(%SiO2+2), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.
TWA value 2 mg/m3 Respirable dust; TWA value 0.3 mg/m3 Total dust;
The exposure limit is calculated from the equation, 30/(%SiO2+2), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.
TWA value 0.1 mg/m3 Respirable;
The exposure limit is calculated from the equation, 10/(%SiO2+2), using a value of 100% SiO2. Lower percentages of SiO2 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/(%SiO2+5), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.
TWA value 20 millions of particles per cubic foot of air;

ACGIH TLV

TWA value 2 mg/m3 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).
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/cm³ (20 °C)
approx. 16.97 lb/USg
Relative density: Heavier than air.
Vapour density: No applicable information available.
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
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
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.
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:

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

CERCLA RQ

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>5000 LBS</td>
<td>78-93-3; 108-94-1 Methylethylketone; cyclohexanone</td>
</tr>
<tr>
<td>1000 LBS</td>
<td>7440-66-6 zinc</td>
</tr>
<tr>
<td>1000 LBS</td>
<td>100-41-4 ethylbenzene</td>
</tr>
<tr>
<td>100 LBS</td>
<td>1330-20-7; 71-23-8; 107-98-2 Xylene; 1-Propanol; 1-methoxypropan-2-ol</td>
</tr>
</tbody>
</table>
10 LBS  7439-92-1; 7440-43-9  lead; Cadmium

State regulations

CA Prop. 65:
WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

NFPA Hazard codes:
Health : 2  Fire: 3  Reactivity: 0  Special:

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2015/04/17

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

END OF DATA SHEET