1. Identification

Product identifier used on the label

MasterSeal P 179 also PRIMER 2000

Recommended use of the chemical and restriction on use

Recommended use*: for industrial and professional users

* 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 data available.

2. Hazards Identification


Classification of the product

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asp. Tox.</td>
<td>1</td>
<td>Aspiration hazard</td>
</tr>
<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>1</td>
<td>Serious eye damage/eye irritation</td>
</tr>
<tr>
<td>Skin Sens.</td>
<td>1</td>
<td>Skin sensitization</td>
</tr>
<tr>
<td>Repr.</td>
<td>2 (unborn child)</td>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td>STOT SE</td>
<td>3</td>
<td>Specific target organ toxicity — single exposure</td>
</tr>
</tbody>
</table>
STOT RE 2 Specific target organ toxicity — repeated exposure
Aquatic Acute 2 Hazardous to the aquatic environment - acute
Aquatic Chronic 3 Hazardous to the aquatic environment - chronic

Label elements

Pictogram:

Signal Word: Danger

Hazard Statement:
H225 Highly flammable liquid and vapour.
H318 Causes serious eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging the unborn child.
H373 May cause damage to organs (Central nervous system) through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.
H401 Toxic to aquatic life.

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.
P271 Use only outdoors or in a well-ventilated area.
P260 Do not breathe dust/gas/mist/vapours.
P243 Take precautionary measures against static discharge.
P273 Avoid release to the environment.
P201 Obtain special instructions before use.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P202 Do not handle until all safety precautions have been read and understood.
P272 Contaminated work clothing should not be allowed out of the workplace.
P240 Ground/bond container and receiving equipment.
P242 Use only non-sparking tools.
P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):
3. Composition / Information on Ingredients


<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Weight %</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>78-93-3</td>
<td>&gt;= 50.0 - &lt; 75.0%</td>
<td>Methylethylketone</td>
</tr>
<tr>
<td>108-88-3</td>
<td>&gt;= 15.0 - &lt; 20.0%</td>
<td>Toluene</td>
</tr>
<tr>
<td>25068-38-6</td>
<td>&gt;= 15.0 - &lt; 20.0%</td>
<td>Bisphenol A-epichlorohydrin resin</td>
</tr>
<tr>
<td>919-30-2</td>
<td>&gt;= 3.0 - &lt; 5.0%</td>
<td>1-Propanamine, 3-(triethoxysilyl)-</td>
</tr>
</tbody>
</table>

4. First-Aid Measures

Description of first aid measures

General advice:
First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

If inhaled:
If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.
If on skin:
After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

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

If swallowed:
Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Most important symptoms and effects, both acute and delayed
Symptoms: Eye irritation, skin irritation, allergic contact dermatitis
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:
foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:
water jet

Special hazards arising from the substance or mixture
Hazards during fire-fighting:
carbon dioxide, carbon monoxide, 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:
The degree of risk is governed by the burning substance and the fire conditions. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Do not breathe vapour/aerosol/spray mists. Wear eye/face protection. If exposed to high vapour concentration, leave area immediately. Use personal protective clothing. 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.

Conditions for safe storage, including any incompatibilities
No applicable information available.

Suitable materials for containers: tinned carbon steel (Tinplate)

Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. 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></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>
</tr>
<tr>
<td></td>
<td>ACGIH TLV TWA value 200 ppm ; STEL value 300 ppm ;</td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
<td>OSHA PEL max. conc. 500 ppm ; CLV 300 ppm ; TWA value 200 ppm ; STEL value 150 ppm 560 mg/m3 ; TWA value 100 ppm 375 mg/m3 ;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACGIH TLV TWA value 20 ppm ;</td>
<td></td>
</tr>
</tbody>
</table>

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:
Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended. 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: product specific
Odour threshold: No applicable information available.
Colour: No applicable information available.
Melting point: No applicable information available.
boiling temperature: 108 °C
The product has not been tested.
Sublimation point: No applicable information available.
Flash point: -3.89 °C
25 °F
Flammability: not determined
Lower explosion limit: No applicable information available.
Upper explosion limit: No applicable information available.
Density: approx. 1.0 g/cm³
(20 °C)
approx. 8.32 lb/USg
(20 °C)
Relative density: No applicable information available.
Vapour density: No applicable information available.
Partitioning coefficient n-octanol/water (log Pow): No applicable information available.
Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic: No applicable information available.
Viscosity, kinematic: No applicable information available.
Solubility in water: not soluble
Solubility (quantitative): No applicable information available.
Solubility (qualitative): No applicable information available.
Evaporation rate: No applicable information available.
Other Information: If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

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

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
See MSDS section 7 - Handling and storage.

Incompatible materials
strong acids, strong bases, strong oxidizing agents, strong reducing agents

Hazardous decomposition products
Decomposition products:
No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:
No decomposition if stored and handled as prescribed/indicated.

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: Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. Virtually nontoxic after a single ingestion. The product has not been tested. The statement has been derived from the properties of the individual components.

Oral
No applicable information available.

Inhalation
No applicable information available.

Dermal
No applicable information available.

Assessment other acute effects
Assessment of STOT single:
Possible narcotic effects (drowsiness or dizziness).

Irritation / corrosion
Assessment of irritating effects: Irritating to skin. May cause severe damage to the eyes.

Sensitization
Assessment of sensitization: Sensitization after skin contact possible.

Aspiration Hazard
May also damage the lung at swallowing (aspiration hazard).

Chronic Toxicity/Effects
Repeated dose toxicity
Assessment of repeated dose toxicity: Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness.

Genetic toxicity
Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Carcinogenicity
Assessment of carcinogenicity: Based on the ingredients there is no suspicion of a carcinogenic effect in humans. Based on available Data, the classification criteria are not met.

Teratogenicity
Assessment of teratogenicity: Contains a suspect teratogen.

Other Information
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Symptoms of Exposure
Eye irritation, skin irritation, allergic contact dermatitis

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.

Persistence and degradability
Assessment biodegradation and elimination (H2O)
Not readily biodegradable (by OECD criteria). The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

Bioaccumulative potential
Bioaccumulation potential
Because of the product's consistency and low water solubility, bioavailability is improbable.

Mobility in soil
Assessment transport between environmental compartments
The substance will not evaporate into the atmosphere from the water surface. Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Additional information
Other ecotoxicological advice:
Do not allow to enter soil, waterways or waste water channels. The product has not been tested. The statement has been derived from the properties of the individual components.

13. Disposal considerations

Waste disposal of substance:
Dispose of in accordance with national, state and local regulations. Residues should be disposed of in the same manner as the substance/product. Do not discharge into drains/surface waters/groundwater.

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 1263
Hazard label: 3
Proper shipping name: PAINT

Sea transport
IMDG
Hazard class: 3
Packing group: II
ID number: UN 1263
Hazard label: 3
Marine pollutant: NO
Proper shipping name: PAINT

Air transport
IATA/ICAO
Hazard class: 3
Packing group: II
ID number: UN 1263
Hazard label: 3
Proper shipping name: PAINT

15. Regulatory Information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Acute; Chronic; Fire; Sudden release of pressure
Safety Data Sheet
MasterSeal P 179 also PRIMER 2000

Revision date : 2015/06/08
Version: 2.1

EPCRA 313:

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>108-88-3</td>
<td>Toluene</td>
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</table>

CERCLA RQ

<table>
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<td>Methylethylketone</td>
</tr>
<tr>
<td>108-88-3</td>
<td>Toluene</td>
</tr>
</tbody>
</table>

5000 LBS 1000 LBS

State regulations

<table>
<thead>
<tr>
<th>State RTK</th>
<th>CAS Number</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA</td>
<td>78-93-3</td>
<td>Methylethylketone</td>
</tr>
<tr>
<td></td>
<td>108-88-3</td>
<td>Toluene</td>
</tr>
<tr>
<td>MA</td>
<td>78-93-3</td>
<td>Methylethylketone</td>
</tr>
<tr>
<td></td>
<td>108-88-3</td>
<td>Toluene</td>
</tr>
<tr>
<td>NJ</td>
<td>78-93-3</td>
<td>Methylethylketone</td>
</tr>
<tr>
<td></td>
<td>108-88-3</td>
<td>Toluene</td>
</tr>
</tbody>
</table>

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

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

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2015/06/08

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.

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