

# Safety Data Sheet

## MasterSeal P 173 also PRIMER 733

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Version: 3.0

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### 1. Identification

#### Product identifier used on the label

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#### 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.

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### 2. Hazards Identification

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

##### Classification of the product

|                   |                                     |  |
|-------------------|-------------------------------------|--|
| Asp. Tox.         | 1                                   | Aspiration hazard                                |
| 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                                  |
| Repr.             | 2 (unborn child)                    | Reproductive toxicity                            |
| STOT SE           | 3 (Vapours may cause drowsiness and | Specific target organ toxicity — single exposure |

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|                 |             |  |
|-----------------|-------------|--|
|                 | dizziness.) |  |
| 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.  |
| H319 | Causes serious eye irritation.   |
| 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.   |
| H351 | Suspected of causing cancer.   |
| H361 | Suspected of damaging the unborn child.  |
| H373 | May cause damage to organs (Auditory organ, Central nervous system, Liver, Kidney) 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. |
| P260 | Do not breathe dust/gas/mist/vapours.  |
| P201 | Obtain special instructions before use.  |
| P271 | Use only outdoors or in a well-ventilated area.  |
| P243 | Take precautionary measures against static discharge.  |
| P273 | Avoid release to the environment.  |
| 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.                         |
| 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):

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|                    |  |
|--------------------|--|
| P308 + P311        | IF exposed or concerned: Call a POISON CENTER or doctor/physician.   |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.                              |
| P301 + P310        | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  |
| P314               | Get medical advice/attention if you feel unwell.   |
| P304 + P340        | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| 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.  |
| P331               | Do NOT induce vomiting.  |
| P370 + P378        | In case of fire: Use alcohol-resistant foam, carbon dioxide, dry powder or water spray for extinction.                           |

### Precautionary Statements (Storage):

|             |  |
|-------------|--|
| P233        | Keep container tightly closed.               |
| P403 + P235 | Store in a well-ventilated place. Keep cool. |
| P405        | Store locked up.                             |

### 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>  |
|-------------------|----------------------|---|
| 108-88-3          | >= 25.0 - < 50.0 %   | Toluene   |
| 22527-63-5        | >= 10.0 - < 15.0 %   | Propanoic acid, 2-methyl-, 3-(benzoyloxy)-2,2,4-trimethylpentyl ester |
| 1305-78-8         | >= 1.0 - < 3.0 %     | calcium oxide   |
| 1330-20-7         | >= 1.0 - < 3.0 %     | Xylene  |
| 100-41-4          | >= 0.3 - < 1.0 %     | ethylbenzene  |

## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

#### If inhaled:

Remove the affected individual into fresh air and keep the person calm. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

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### **If on skin:**

Wash thoroughly with soap and water. 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 and then drink plenty of water. Do not induce vomiting due to aspiration hazard. Do not induce vomiting unless told to by a poison control center or doctor.

### **Most important symptoms and effects, both acute and delayed**

Symptoms: Overexposure may cause: unconsciousness, death, dilation of pupils, incoordination, lethargy, confusion, headache, dizziness, lacrimation  
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.

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## **5. Fire-Fighting Measures**

### **Extinguishing media**

Suitable extinguishing media:  
dry powder, alcohol-resistant foam

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. Containers may rocket or explode in heat of fire. Keep containers cool by spraying with water if exposed to fire. 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.

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## **6. Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

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Use personal protective clothing. Avoid prolonged inhalation. Avoid contact with the skin, eyes and clothing. Avoid all sources of ignition: heat, sparks, open flame.

### Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

For large amounts: Pump off product.

For residues: Pick up with inert absorbent material (e.g. sand, earth etc.). Correctly dispose of recovered product immediately.

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## 7. Handling and Storage

### Precautions for safe handling

Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Provide good room ventilation even at ground level (vapours are heavier than air).

Protection against fire and explosion:

Sources of ignition should be kept well clear. Take precautionary measures against static discharges. Substance/product can form explosive mixture with air. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

### Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Suitable materials for containers: tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container tightly closed and in a well-ventilated place. Keep away from heat. Avoid all sources of ignition: heat, sparks, open flame.

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## 8. Exposure Controls/Personal Protection

### Components with occupational exposure limits

|               |           |   |
|---------------|-----------|---|
| ethylbenzene  | OSHA PEL  | PEL 100 ppm 435 mg/m <sup>3</sup> ; STEL value 125 ppm 545 mg/m <sup>3</sup> ; TWA value 100 ppm 435 mg/m <sup>3</sup> ;                    |
|               | ACGIH TLV | TWA value 20 ppm ;  |
| Toluene       | OSHA PEL  | max. conc. 500 ppm ; CLV 300 ppm ; TWA value 200 ppm ; STEL value 150 ppm 560 mg/m <sup>3</sup> ; TWA value 100 ppm 375 mg/m <sup>3</sup> ; |
|               | ACGIH TLV | TWA value 20 ppm ;  |
| calcium oxide | OSHA PEL  | PEL 5 mg/m <sup>3</sup> ; TWA value 5 mg/m <sup>3</sup> ;   |
|               | ACGIH TLV | TWA value 2 mg/m <sup>3</sup> ;   |
| Xylene        | OSHA PEL  | PEL 100 ppm 435 mg/m <sup>3</sup> ; STEL value 150 ppm 655 mg/m <sup>3</sup> ; TWA value 100 ppm 435 mg/m <sup>3</sup> ;                    |
|               | ACGIH TLV | TWA value 100 ppm ; STEL value 150 ppm ;  |

### Advice on system design:

No applicable information available.

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### Personal protective equipment

#### **Respiratory protection:**

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

#### **Hand protection:**

Wear chemical resistant protective gloves.

#### **Eye protection:**

Safety glasses with side-shields.

#### **Body protection:**

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

#### **General safety and hygiene measures:**

Avoid inhalation of dusts/mists/vapours. Avoid contact with the skin, eyes and clothing. Avoid prolonged and/or repeated contact with the skin. 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:  | strong, solvent-like   |                                      |
| Odour threshold:  |  | No applicable information available. |
| Colour:   | amber  |                                      |
| pH value:   |  | not applicable                       |
| Melting point:  |  | No applicable information available. |
| Boiling point:  | approx. 111.11 -<br>251.11 °C  |                                      |
| Sublimation point:                                      |  | No applicable information available. |
| Flash point:  | 18.33 °C   |                                      |
| Flammability:   | Highly<br>flammable.   |                                      |
| Lower explosion limit:                                  | 1.0 %(V)   |                                      |
| Upper explosion limit:                                  | 7.1 %(V)   |                                      |
| Vapour pressure:  |  | The product has not been tested.     |
| Density:  | approx. 1.07<br>g/cm <sup>3</sup>  | ( 20 °C)                             |
| Relative density:                                       |  | No applicable information available. |
| Vapour density:   |  | Heavier than air.                    |
| Partitioning coefficient n-<br>octanol/water (log Pow): |  | No applicable information available. |
| Thermal decomposition:                                  | Vapours may form explosive mixture with air. No decomposition if stored and handled as prescribed/indicated. |                                      |
| Viscosity, kinematic:                                   |  | No applicable information available. |
| Solubility in water:                                    |  | ( 20 °C) not soluble                 |
| Miscibility with water:                                 |  | ( 20 °C) immiscible                  |
| 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.            |                                      |

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### 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

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

#### Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame.

#### Incompatible materials

strong oxidizing agents

#### Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:

Vapours may form explosive mixture with air. No decomposition if stored and handled as prescribed/indicated.

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### 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 ingestion. Based on available Data, the classification criteria are not met.

##### 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: Skin contact causes irritation. May cause slight irritation to the eyes.

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### Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.  
May cause sensitization by skin contact.

### Aspiration Hazard

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

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: The substance may cause damage to the central nervous system after repeated ingestion of high doses. The substance may cause deafness after repeated inhalation.

Overexposure may cause liver and kidney toxicity.

### Genetic toxicity

Assessment of mutagenicity: No mutagenic effect was found in various tests with bacteria, microorganisms and mammalian cell culture. The substance was not mutagenic in studies with mammals. Literature data.

### Carcinogenicity

Assessment of carcinogenicity: Contains a suspect carcinogen.

### *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*

### Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect.

### Teratogenicity

Assessment of teratogenicity: Indications of possible developmental toxicity/teratogenicity were seen in animal studies.

### 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**

Overexposure may cause:., unconsciousness, death, dilation of pupils, incoordination, lethargy, confusion, headache, dizziness, lacrimation



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## 12. Ecological Information

### Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

Acutely toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O)

Readily biodegradable (according to OECD criteria).

### Bioaccumulative potential

Assessment bioaccumulation potential

Does not significantly accumulate in organisms.

Bioaccumulation potential

Bioconcentration factor: 90 (3 d), *Leuciscus idus melanotus*

Literature data.

### Mobility in soil

Assessment transport between environmental compartments

The substance will rapidly evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is not expected.

### Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statement has been derived from the properties of the individual components.

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## 13. Disposal considerations

### Waste disposal of substance:

Observe national and local legal requirements. Residues should be disposed of in the same manner as the substance/product.

### 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

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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

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## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Acute; Chronic; Fire; Sudden release of pressure

| <u>CERCLA RQ</u> | <u>CAS Number</u>            | <u>Chemical name</u>                                       |
|------------------|------------------------------|--|
| 1000 LBS         | 100-41-4; 108-88-3           | ethylbenzene; Toluene                                      |
| 100 LBS          | 1330-20-7; 584-84-9; 91-08-7 | Xylene; toluene-2,4-diisocyanate; toluene-2,6-diisocyanate |
| 10 LBS           | 56-23-5                      | tetrachloromethane   |

### 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:

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## 16. Other Information

#### SDS Prepared by:

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

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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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