1. Identification

Product identifier used on the label

MasterSeal P 173 also PRIMER 733

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>Classification</th>
<th>Value</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>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>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>
<tr>
<td></td>
<td></td>
<td>(Vapours may cause drowsiness and</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


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):
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


<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-88-3</td>
<td>&gt;= 25.0 - &lt; 50.0 %</td>
<td>Toluene</td>
</tr>
<tr>
<td>22527-63-5</td>
<td>&gt;= 10.0 - &lt; 15.0 %</td>
<td>Propanoic acid, 2-methyl-, 3-(benzoyloxy)-2,2,4-trimethylpentyl ester</td>
</tr>
<tr>
<td>1305-78-8</td>
<td>&gt;= 1.0 - &lt; 3.0 %</td>
<td>calcium oxide</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>&gt;= 1.0 - &lt; 3.0 %</td>
<td>Xylene</td>
</tr>
<tr>
<td>100-41-4</td>
<td>&gt;= 0.3 - &lt; 1.0 %</td>
<td>ethylbenzene</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. 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.
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.

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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
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.

---

**8. Exposure Controls/Personal Protection**

**Components with occupational exposure limits**

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<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>TWA value 20 ppm ;</td>
</tr>
<tr>
<td>Toluene</td>
<td>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>TWA value 20 ppm ;</td>
</tr>
<tr>
<td>calcium oxide</td>
<td>PEL 5 mg/m3 ; TWA value 5 mg/m3 ;</td>
<td>TWA value 2 mg/m3 ;</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>TWA value 100 ppm ; STEL value 150 ppm ;</td>
</tr>
</tbody>
</table>

**Advice on system design:**
No applicable information available.
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 - 251.11 °C
Sublimation point: No applicable information available.
Flash point: 18.33 °C
Flammability: Highly 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 g/cm³
Relative density: No applicable information available.
Vapour density: Heavier than air.
Partitioning coefficient n-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: If necessary, information on other physical and chemical parameters is indicated in this section.
Other Information:
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.

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.
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
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 (H2O)
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.

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.

14. Transport Information

Land transport
USDOT
Hazard class: 3
Packing group: II
Safety Data Sheet
MasterSeal P 173 also PRIMER 733

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

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

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
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