Safety Data Sheet
MasterSeal 990 also REDUCER 990

1. Identification

Product identifier used on the label

MasterSeal 990 also REDUCER 990

Recommended use of the chemical and restriction on use
Recommended use*: for industrial use only

* 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>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>3</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>2B</td>
<td>Serious eye damage/eye irritation</td>
</tr>
<tr>
<td>STOT SE</td>
<td>3</td>
<td>Specific target organ toxicity — single exposure (irritating to respiratory system)</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>2</td>
<td>Hazardous to the aquatic environment - acute</td>
</tr>
</tbody>
</table>
Aquatic Chronic  3  Hazardous to the aquatic environment - chronic

Label elements

Pictogram:

Signal Word: 
Danger

Hazard Statement:
H226  Flammable liquid and vapour.
H320  Causes eye irritation.
H315  Causes skin irritation.
H304  May be fatal if swallowed and enters airways.
H335  May cause respiratory irritation.
H373  May cause damage to organs (Auditory organ) 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 and eye/face protection.
P271  Use only outdoors or in a well-ventilated area.
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.
P243  Take precautionary measures against static discharge.
P241  Use explosion-proof electrical/ventilating/lighting/equipment.
P264  Wash with plenty of water and soap thoroughly after handling.
P242  Use only non-sparking tools.
P240  Ground/bond container and receiving equipment.

Precautionary Statements (Response):
P312  Call a POISON CENTER or doctor/physician if you feel unwell.
P305 + P351 + P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314  Get medical advice/attention if you feel unwell.
P301 + P310  IF SWALLOWED: Immediately 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.
P304 + P340  IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332 + P313  If skin irritation occurs: Get medical advice/attention.
P331  Do NOT induce vomiting.
P337 + P311  If eye irritation persists: Call a POISON CENTER or doctor/physician.
P362 + P364  Take off contaminated clothing and wash before reuse.
P370 + P378  In case of fire: Use water spray, dry powder, foam or carbon dioxide for extinction.

Precautionary Statements (Storage):
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>Weight %</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7</td>
<td>&gt;= 50.0 - &lt; 75.0%</td>
<td>Xylene</td>
</tr>
<tr>
<td>100-41-4</td>
<td>&gt;= 25.0 - &lt; 50.0%</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. 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: 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:
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
8. Exposure Controls/Personal Protection

Components with occupational exposure limits

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA PEL</th>
<th>PEL 100 ppm 435 mg/m3 ; STEL value 125 ppm 545 mg/m3 ; TWA value 100 ppm 435 mg/m3 ;</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethylbenzene</td>
<td></td>
<td>ACGIH TLV TWA value 20 ppm ;</td>
</tr>
<tr>
<td>Xylene</td>
<td></td>
<td>ACGIH TLV 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:
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: strong, solvent-like
Odour threshold: No applicable information available.
Colour: clear
pH value: The product has not been tested.
Melting point: No applicable information available.
Boiling point: 136 °C
Sublimation point: No applicable information available.
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**
Avoid all sources of ignition: heat, sparks, open flame. Avoid prolonged exposure to extreme heat.

**Incompatible materials**
strong bases, strong acids

**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 ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. Based on available Data, the classification criteria are not met. 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:
Causes temporary irritation of the respiratory tract.

**Irritation / corrosion**
Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation.

**Sensitization**
Assessment of sensitization: The product has not been tested. The statement has been derived from the properties of the individual components.

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

Chronic Toxicity/Effects

**Repeated dose toxicity**
Assessment of repeated dose toxicity: Repeated exposure may affect certain organs.

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

*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).

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

**Teratogenicity**
Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available data, the classification criteria are not met.

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

### 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.

**Persistence and degradability**
Assessment biodegradation and elimination (H2O)
Inherently biodegradable. The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants.

**Bioaccumulative potential**
Assessment bioaccumulation potential
Discharge into the environment must be avoided.

**Mobility in soil**
Assessment transport between environmental compartments
No data available.

**Additional information**
Other ecotoxicological advice:
Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have 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: III
- ID number: UN 1307
- Hazard label: 3
- Proper shipping name: XYLENES

**Sea transport**
IMDG
- Hazard class: 3
- Packing group: III
- ID number: UN 1307
- Hazard label: 3
- Marine pollutant: NO
- Proper shipping name: XYLENES

**Air transport**
IATA/ICAO
- Hazard class: 3
- Packing group: III
- ID number: UN 1307
- Hazard label: 3
- Proper shipping name: XYLENES

15. Regulatory Information

**Federal Regulations**

*Registration status:*
Chemical TSCA, US released / listed

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

**EPCRA 313:**

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**CERCLA RQ**

<table>
<thead>
<tr>
<th>CAS Number</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1000 LBS</td>
<td>100-41-4</td>
</tr>
<tr>
<td>100 LBS</td>
<td>1330-20-7</td>
</tr>
</tbody>
</table>

**State regulations**

*State RTK*

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical name</th>
</tr>
</thead>
</table>
CA Prop. 65:
WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

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

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2015/05/18

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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