1. Identification

Product identifier used on the label

**MasterSeal CR 195 wht also ULTRA WHITE**

Recommended use of the chemical and restriction on use

Recommended use*: polyurethane component; 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

2. Hazards Identification


Classification of the product

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2A</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Serious eye damage/eye irritation</th>
</tr>
</thead>
</table>

Respiratory sensitization
Skin sensitization

Label elements

Pictogram:
Signal Word:
Danger

Hazard Statement:
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.

Precautionary Statements (Prevention):
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P202 Do not handle until all safety precautions have been read and understood.
P284 [In case of inadequate ventilation] wear respiratory protection.
P272 Contaminated work clothing should not be allowed out of the workplace.
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.
P304 + P341 + P311 IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.
P308 + P311 IF exposed or concerned: Call a POISON CENTER or doctor/physician.
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.
P362 + P364 Take off contaminated clothing and wash before reuse.
P337 + P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.

Precautionary Statements (Storage):
P405 Store locked up.

Precautionary Statements (Disposal):
P501 Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

Labeling of special preparations (GHS):
CONTAINS ISOCYANATES. INHALATION OF ISOCYANATE MISTS OR VAPORS MAY CAUSE RESPIRATORY IRRITATION, BREATHELESSNESS, CHEST DISCOMFORT AND REDUCED PULMONARY FUNCTION. OVEREXPOSURE WELL ABOVE THE PEL MAY RESULT IN BRONCHITIS, BRONCHIAL SPASMS AND PULMONARY EDEMA. LONG-TERM EXPOSURE TO ISOCYANATES HAS BEEN REPORTED TO CAUSE LUNG DAMAGE, INCLUDING REDUCED LUNG FUNCTION WHICH MAY BE PERMANENT. ACUTE OR CHRONIC OVEREXPOSURE TO ISOCYANATES MAY CAUSE SENSITIZATION IN SOME INDIVIDUALS, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING. ANIMAL TESTS INDICATE THAT SKIN CONTACT MAY PLAY A
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>1317-65-3</td>
<td>&gt;= 15.0 - &lt; 50.0 %</td>
<td>Limestone</td>
</tr>
<tr>
<td>8052-41-3</td>
<td>&gt;= 7.0 - &lt; 10.0 %</td>
<td>Stoddard solvent</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>&gt;= 3.0 - &lt; 10.0 %</td>
<td>Titanium dioxide</td>
</tr>
<tr>
<td>14807-96-6</td>
<td>&gt;= 1.0 - &lt; 3.0 %</td>
<td>talc</td>
</tr>
<tr>
<td>1305-78-8</td>
<td>&gt;= 1.0 - &lt; 3.0 %</td>
<td>calcium oxide</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>&gt;= 0.3 - &lt; 1.0 %</td>
<td>crystalline silica</td>
</tr>
<tr>
<td>5124-30-1</td>
<td>&gt;= 0.3 - &lt; 1.0 %</td>
<td>4,4'-methylenebis(cyclohexyl diisocyanate)</td>
</tr>
<tr>
<td>77-58-7</td>
<td>&gt;= 0.1 - &lt; 0.2 %</td>
<td>dibutyltin dilaurate</td>
</tr>
</tbody>
</table>

4. First-Aid Measures

Description of first aid measures

General advice:
Remove contaminated clothing.

If inhaled:
Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

If on skin:
Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:
In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

If swallowed:
Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

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., Eye irritation, skin irritation, allergic symptoms
Hazards: Symptoms can appear later.

Indication of any immediate medical attention and special treatment needed

Note to physician
Antidote: Specific antidotes or neutralizers to isocyanates do not exist.
Treatment: Treatment should be supportive and based on the judgement of the physician in response to the reaction of the patient.
5. Fire-Fighting Measures

**Extinguishing media**

Suitable extinguishing media:
- water spray
- dry powder
- carbon dioxide
- foam

**Special hazards arising from the substance or mixture**

Hazards during fire-fighting:
- nitrous gases
- fumes/smoke
- isocyanate
- vapour

**Advice for fire-fighters**

Protective equipment for fire-fighting:
- Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Further information:**
- Keep containers cool by spraying with water if exposed to fire.
- Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

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

Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

**Environmental precautions**

Do not discharge into drains/surface waters/groundwater.

**Methods and material for containment and cleaning up**

For small amounts: Absorb isocyanate with suitable absorbent material (see § 40 CFR, sections 260, 264 and 265 for further information). Shovel into open container. Do not make container pressure tight. Move container to a well-ventilated area (outside). Spill area can be decontaminated with the following recommended decontamination solution: Mixture of 90 % water, 8 % concentrated ammonia, 2 % detergent. Add at a 10 to 1 ratio. Allow to stand for at least 48 hours to allow escape of evolved carbon dioxide.

For large amounts: If temporary control of isocyanate vapor is required, a blanket of protein foam or other suitable foam (available from most fire departments) may be placed over the spill. Transfer as much liquid as possible via pump or vacuum device into closed but not sealed containers for disposal.

For residues: The following measures should be taken for final cleanup: Wash down spill area with decontamination solution. Allow solution to stand for at least 10 minutes. Dike spillage.

7. Handling and Storage

**Precautions for safe handling**

Provide suitable exhaust ventilation at the processing machines. Ensure thorough ventilation of stores and work areas. Avoid aerosol formation. When handling heated product, vapours of the product should be ventilated, and respiratory protection used. Wear respiratory protection when spraying. Danger of bursting when sealed gastight. Protect against moisture. If bulging of drum occurs, transfer to well ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing.
Protection against fire and explosion:
No explosion proofing necessary.

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

Suitable materials for containers: High density polyethylene (HDPE)

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8. Exposure Controls/Personal Protection

**Components with occupational exposure limits**

- **dibutyltin dilaurate**
  - OSHA PEL: PEL 0.1 mg/m³ (tin (Sn)); TWA value 0.1 mg/m³ (tin (Sn)); SKIN_FINAL (tin (Sn)); The substance can be absorbed through the skin.

- **calcium oxide**
  - OSHA PEL: PEL 5 mg/m³; TWA value 5 mg/m³; TWA value 2 mg/m³;
  - ACGIH TLV: TWA value 0.1 mg/m³ (tin (Sn)); STEL value 0.2 mg/m³ (tin (Sn)); Skin Designation (tin (Sn)); The substance can be absorbed through the skin.

- **Limestone**
  - OSHA PEL: PEL 5 mg/m³ Respirable fraction; PEL 15 mg/m³ Total dust; TWA value 15 mg/m³ Total dust; TWA value 5 mg/m³ Respirable fraction;

- **4,4’-methyleneicyclohexyl diisocyanate**
  - OSHA PEL: CLV 0.01 ppm 0.11 mg/m³;
  - ACGIH TLV: TWA value 0.005 ppm;

- **Titanium dioxide**
  - OSHA PEL: PEL 15 mg/m³ Total dust; TWA value 10 mg/m³ Total dust;
  - ACGIH TLV: TWA value 10 mg/m³;
<table>
<thead>
<tr>
<th>Substance</th>
<th>OSHA PEL</th>
<th>TWA value</th>
<th>Equation</th>
<th>Limitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Talc</td>
<td></td>
<td>20 millions of particles per cubic foot of air; 2.4 millions of particles per cubic foot of air</td>
<td>$250/(%\text{SiO}_2+5)$, using a value of 100% SiO$_2$. Lower percentages of SiO$_2$ will yield higher exposure limits.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1 mg/m$^3$ Respirable</td>
<td>$10/(%\text{SiO}_2+2)$, using a value of 100% SiO$_2$. Lower percentages of SiO$_2$ will yield higher exposure limits.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.3 mg/m$^3$ Total dust</td>
<td>$30/(%\text{SiO}_2+2)$, using a value of 100% SiO$_2$. Lower percentages of SiO$_2$ will yield higher exposure limits.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 mg/m$^3$ Respirable dust; 0.3 mg/m$^3$ Total dust</td>
<td>$250/(%\text{SiO}_2+5)$, using a value of 100% SiO$_2$. Lower percentages of SiO$_2$ will yield higher exposure limits.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1 mg/m$^3$ Respirable</td>
<td>$10/(%\text{SiO}_2+2)$, using a value of 100% SiO$_2$. Lower percentages of SiO$_2$ will yield higher exposure limits.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.3 mg/m$^3$ Total dust</td>
<td>$30/(%\text{SiO}_2+2)$, using a value of 100% SiO$_2$. Lower percentages of SiO$_2$ will yield higher exposure limits.</td>
<td></td>
</tr>
<tr>
<td>Crystalline silica</td>
<td></td>
<td>20 millions of particles per cubic foot of air</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 mg/m$^3$ Respirable fraction</td>
<td>$250/(%\text{SiO}_2+5)$, using a value of 100% SiO$_2$. Lower percentages of SiO$_2$ will yield higher exposure limits.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1 mg/m$^3$ Respirable</td>
<td>$10/(%\text{SiO}_2+2)$, using a value of 100% SiO$_2$. Lower percentages of SiO$_2$ will yield higher exposure limits.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.3 mg/m$^3$ Total dust</td>
<td>$30/(%\text{SiO}_2+2)$, using a value of 100% SiO$_2$. Lower percentages of SiO$_2$ will yield higher exposure limits.</td>
<td></td>
</tr>
</tbody>
</table>
Advice on system design:
Provide local exhaust ventilation to maintain recommended P.E.L.

Personal protective equipment

Respiratory protection:
When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. When atmospheric levels may exceed the occupational exposure limit (PEL or TLV) NIOSH-certified air-purifying respirators equipped with an organic vapor sorbent and particulate filter can be used as long as appropriate precautions and change out schedules are in place. For emergency or non-routine, high exposure situations, including confined space entry, use a NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

Hand protection:
Chemical resistant protective gloves should be worn to prevent all skin contact. Suitable materials may include, chloroprene rubber (Neoprene), nitrile rubber (Buna N), chlorinated polyethylene, polyvinylchloride (Pylox), butyl rubber, depending upon conditions of use.

Eye protection:
Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Body protection:
Cover as much of the exposed skin as possible to prevent all skin contact. Suitable materials may include, saran-coated material, depending upon conditions of use.

General safety and hygiene measures:
Wear protective clothing as necessary to prevent contact. Eye wash fountains and safety showers must be easily accessible. Observe the appropriate PEL or TLV value. Wash soiled clothing immediately. Contaminated equipment or clothing should be cleaned after each use or disposed of.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>paste</td>
</tr>
<tr>
<td>Odour</td>
<td>solvent-like</td>
</tr>
<tr>
<td>Odour threshold</td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>various colours</td>
</tr>
<tr>
<td>pH value</td>
<td>not applicable</td>
</tr>
<tr>
<td>Melting point</td>
<td>No applicable information available.</td>
</tr>
<tr>
<td>Boiling point</td>
<td>approx. 156 °C</td>
</tr>
<tr>
<td>Sublimation point</td>
<td>No applicable information available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>The product does not burn self-</td>
</tr>
<tr>
<td></td>
<td>sustainingly.</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not flammable.</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>No applicable information available.</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No applicable information available.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No applicable information available.</td>
</tr>
</tbody>
</table>
10. Stability and Reactivity

Reactivity
No applicable information available.

Corrosion to metals:
Corrosive effects to metal are not anticipated.

Chemical stability
The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

Conditions to avoid
Avoid moisture.

Incompatible materials
acids, amines, alcohols, water, Alkalines, strong bases, Substances/products that react with isocyanates.

Hazardous decomposition products

Decomposition products:
Hazardous decomposition products: carbon monoxide, carbon dioxide, nitrogen oxide, hydrogen cyanide, nitrogen oxides, aromatic isocyanates, gases/vapours

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: No applicable information available.

**Oral**
No applicable information available.

**Inhalation**
No applicable information available.

**Dermal**
No applicable information available.

**Assessment other acute effects**
No applicable information available.

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

**Sensitization**
Assessment of sensitization: The substance may cause sensitization of the respiratory tract. Sensitization after skin contact possible.

**Chronic Toxicity/Effects**

**Repeated dose toxicity**
Assessment of repeated dose toxicity: No applicable information available.

**Genetic toxicity**
Assessment of mutagenicity: No applicable information available.

**Carcinogenicity**

*Information on: Titanium dioxide*
Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed. Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation. In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. Dermal exposure is not expected to be carcinogenic.

*Information on: crystalline silica*
Assessment of carcinogenicity: In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. In long-term animal studies in which the substance was given by inhalation in high doses, a carcinogenic effect was observed. The substance and its compounds in the form of respirable dusts/aerosols classified by the German MAK commision as a category 1 carcinogen (substances that cause cancer to humans). A carcinogenic effect cannot safely be ruled out. The inhalation uptake of the alveolar fraction of the fine dust may cause damage to the lungs. The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen.

NTP listed carcinogen
Reproductive toxicity
Assessment of reproduction toxicity: No applicable information available.

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., Eye irritation, skin irritation, allergic symptoms

Medical conditions aggravated by overexposure
The isocyanate component is a respiratory sensitizer. It may cause allergic reaction leading to asthma-like spasms of the bronchial tubes and difficulty in breathing. Medical supervision of all employees who handle or come into contact with isocyanates is recommended. Contact may aggravate pulmonary disorders. Persons with history of respiratory disease or hypersensitivity should not be exposed to this product. Preemployment and periodic medical examinations with respiratory function tests (FEV, FVC as a minimum) are suggested. Persons with asthmatic conditions, chronic bronchitis, other chronic respiratory diseases, recurrent eczema or pulmonary sensitization should be excluded from working with isocyanates. Once a person is diagnosed as having pulmonary sensitization (allergic asthma) to isocyanates, further exposure is not recommended.

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.

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:
Incinerate or dispose of in a licensed facility. Do not discharge substance/product into sewer system.

Container disposal:
DRUMS:
Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Do not attempt to refill or clean containers since residue is difficult to remove. Under no circumstances should empty drums be burned or cut open with gas or electric torch as toxic decomposition products may be liberated. Do not reuse empty containers.

14. Transport Information

Land transport
15. Regulatory Information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

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

CERCLA RQ | CAS Number | Chemical name
---|---|---
5000 LBS | 7664-38-2 | phosphoric acid
1000 LBS | 108-88-3 | Toluene
100 LBS | 108-90-7; 78-84-2 | chlorobenzene; isobutyaldehyde

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: 0 Reactivity: 0 Special:

HMIS III rating
Health: 2 Flammability: 0 Physical hazard: 0

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2015/03/24

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END OF DATA SHEET