1. Identification

Product identifier used on the label

MasterSeal HLM 5000SPGR also HLM 5000 SP GRADE

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 US 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>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>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>1</td>
<td>Serious eye damage/eye irritation</td>
</tr>
<tr>
<td>Repr.</td>
<td>1B</td>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td>Repr.</td>
<td>1B</td>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td>STOT RE</td>
<td>1</td>
<td>Specific target organ toxicity — repeated exposure</td>
</tr>
</tbody>
</table>
Aquatic Acute 3  Hazardous to the aquatic environment - acute
Aquatic Chronic 3  Hazardous to the aquatic environment - chronic

Label elements

Pictogram:

Signal Word:
Danger

Hazard Statement:
H226 Flammable liquid and vapour.
H318 Causes serious eye damage.
H315 Causes skin irritation.
H304 May be fatal if swallowed and enters airways.
H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure.
H360 May damage fertility. May damage the unborn child.
H402 Harmful to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

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.
P273 Avoid release to the environment.
P243 Take precautionary measures against static discharge.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P264 Wash with plenty of water and soap thoroughly after handling.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P242 Use only non-sparking tools.

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.
P310 Immediately call a POISON CENTER or doctor/physician.
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.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P331 Do NOT induce vomiting.
P362 + P364 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use… to extinguish.

Precautionary Statements (Storage):


Precautionary Statements (Disposal):
P405 Store locked up.
P403 + P235 Store in a well-ventilated place. Keep cool.

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.


Emergency overview

WARNING:
COMBUSTIBLE LIQUID AND VAPOR.
FLAMMABLE LIQUID AND VAPOR.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF SWALLOWED.
REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.
Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness.
Possible risk of impaired fertility.
Possible risk of harm to the unborn child.
Keep container tightly closed.
Avoid all sources of ignition: heat, sparks, open flame.

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>14807-96-6</td>
<td>&gt;= 25.0 - &lt; 50.0 %</td>
<td>talc</td>
</tr>
<tr>
<td>8052-42-4</td>
<td>&gt;= 10.0 - &lt; 15.0 %</td>
<td>Asphalt</td>
</tr>
<tr>
<td>1305-78-8</td>
<td>&gt;= 7.0 - &lt; 10.0 %</td>
<td>calcium oxide</td>
</tr>
<tr>
<td>8052-41-3</td>
<td>&gt;= 7.0 - &lt; 15.0 %</td>
<td>Stoddard solvent</td>
</tr>
<tr>
<td>64742-95-6</td>
<td>&gt;= 3.0 - &lt; 5.0 %</td>
<td>Solvent naphtha (petroleum), light arom.</td>
</tr>
<tr>
<td>95-63-6</td>
<td>&gt;= 3.0 - &lt; 5.0 %</td>
<td>1,2,4-trimethylbenzene</td>
</tr>
<tr>
<td>64742-52-5</td>
<td>&gt;= 3.0 - &lt; 5.0 %</td>
<td>Distillates (petroleum), hydrotreated heavy naphthenic</td>
</tr>
<tr>
<td>64742-53-6</td>
<td>&gt;= 1.0 - &lt; 3.0 %</td>
<td>Distillates (petroleum), hydrotreated light naphthenic</td>
</tr>
<tr>
<td>25340-17-4</td>
<td>&gt;= 0.2 - &lt; 0.3 %</td>
<td>Benzene, diethyl-</td>
</tr>
<tr>
<td>77-58-7</td>
<td>&gt;= 0.2 - &lt; 0.3 %</td>
<td>dibutyltin dilaurate</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>14807-96-6</td>
<td>&gt;= 15.0 - &lt;= 40.0 %</td>
<td>talc</td>
</tr>
<tr>
<td>8052-41-3</td>
<td>&gt;= 7.0 - &lt;= 13.0 %</td>
<td>Stoddard solvent</td>
</tr>
<tr>
<td>1305-78-8</td>
<td>&gt;= 5.0 - &lt;= 10.0 %</td>
<td>calcium oxide</td>
</tr>
<tr>
<td>95-63-6</td>
<td>&gt;= 1.0 - &lt;= 5.0 %</td>
<td>1,2,4-trimethylbenzene</td>
</tr>
<tr>
<td>98-82-8</td>
<td>&gt;= 0.1 - &lt;= 1.0 %</td>
<td>cumene</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: 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:
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.

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

dibutyltin dilaurate  

<table>
<thead>
<tr>
<th></th>
<th>OSHA PEL</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ACGIH TLV</td>
<td>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.</td>
</tr>
</tbody>
</table>
1,2,4-trimethylbenzene

OSHA PEL  TWA value  25 ppm  125 mg/m³ ;
ACGIH TLV  TWA value  25 ppm ;

calcium oxide

OSHA PEL  PEL  5 mg/m³ ; TWA value  5 mg/m³ ;
ACGIH TLV  TWA value  2 mg/m³ ;

Asphalt

ACGIH TLV  TWA value  0.5 mg/m³ Inhalable fraction (benzene solubles);

talc

OSHA PEL  TWA value  20 millions of particles per cubic foot of air ; TWA value  2.4 millions of particles per cubic foot of air Respirable ;
The exposure limit is calculated from the equation, 250/(%SiO₂+5), using a value of 100% SiO₂. Lower percentages of SiO₂ will yield higher exposure limits.
TWA value  0.1 mg/m³ Respirable ;
The exposure limit is calculated from the equation, 10/(%SiO₂+2), using a value of 100% SiO₂. Lower percentages of SiO₂ will yield higher exposure limits.
TWA value  0.3 mg/m³ Total dust ;
The exposure limit is calculated from the equation, 30/(%SiO₂+2), using a value of 100% SiO₂. Lower percentages of SiO₂ will yield higher exposure limits.
TWA value  2 mg/m³ Respirable dust ; TWA value  0.3 mg/m³ Total dust ;
The exposure limit is calculated from the equation, 30/(%SiO₂+2), using a value of 100% SiO₂. Lower percentages of SiO₂ will yield higher exposure limits.
TWA value  0.1 mg/m³ Respirable ;
The exposure limit is calculated from the equation, 10/(%SiO₂+2), using a value of 100% SiO₂. Lower percentages of SiO₂ will yield higher exposure limits.
TWA value  2.4 millions of particles per cubic foot of air Respirable ;
The exposure limit is calculated from the equation, 250/(%SiO₂+5), using a value of 100% SiO₂. Lower percentages of SiO₂ will yield higher exposure limits.
TWA value  20 millions of particles per cubic foot of air ;

ACGIH TLV  TWA value  2 mg/m³ Respirable fraction ;
The value is for particulate matter containing no asbestos and <1% crystalline silica.

Stoddard solvent

OSHA PEL  PEL  500 ppm  2,900 mg/m³ ;
ACGIH TLV  TWA value  100 ppm ;

Distillates (petroleum), hydrotreated heavy naphthenic

OSHA PEL  PEL  5 mg/m³ Mist ; PEL  500 ppm  2,000 mg/m³ ; TWA value  5 mg/m³ Mist ;
Distillates (petroleum),
hydrotreated light
naphthenic

OSHA PEL
PEL 5 mg/m3 Mist ; PEL 500 ppm 2,000
mg/m3 ; TWA value 5 mg/m3 Mist ;

ACGIH TLV
Exposure by all routes should be carefully
controlled to levels as low as possible.

Included in the regulation, but with no data values
- See the regulation for further details

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: viscous
Odour: strong, solvent-like
Odour threshold: black
Colour: neutral to slightly alkaline
pH value: No applicable information available.
Melting point: 153.33 - 371.11 °C
Sublimation point: No applicable information available.
Flash point: 48.89 °C (ASTM D93)
120 °F
Flammability: Flammable.
Lower explosion limit: 0.9 %(V)
Upper explosion limit: 7.0 %(V)
Vapour pressure: The product has not been tested.
Density: approx. 1.3
approx. 20 °C
Relative density: 1.3
10. Stability and Reactivity

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

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
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 skin contact. Virtually nontoxic by inhalation. Virtually nontoxic after a single ingestion.

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: Causes serious eye irritation. Irritating to skin.

Sensitization
Assessment of sensitization: Based on available Data, the classification criteria are not met.

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

Chronic Toxicity/Effects

Repeated dose toxicity
Assessment of repeated dose toxicity: May cause central nervous system effects.

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: Asphalt
Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

Reproductive toxicity
Assessment of reproduction toxicity: Based on the ingredients, there is a suspicion of a toxic effect on reproduction.

Teratogenicity
Assessment of teratogenicity: The potential to cause toxicity to development cannot be excluded when given in high doses.

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.
12. Ecological Information

**Toxicity**

Aquatic toxicity
Assessment of aquatic toxicity:
Acutely harmful 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)
Inherently biodegradable. The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants.
The polymer component of the product is poorly biodegradable.

**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.

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: C
Packing group: III
ID number: UN 1263
Hazard label: CBL
Proper shipping name: PAINT, COMBUSTIBLE LIQUID
Classified as combustible liquid in containers greater than 119 gallons.

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

Air transport
IATA/ICAO
Hazard class: 3
Packing group: III
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

EPCRA 313:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>95-63-6</td>
<td>1,2,4-trimethylbenzene</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CERCLA RQ</th>
<th>CAS Number</th>
<th>Chemical name</th>
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</thead>
<tbody>
<tr>
<td>5000 LBS</td>
<td>98-82-8</td>
<td>cumene</td>
</tr>
<tr>
<td>1000 LBS</td>
<td>100-41-4</td>
<td>ethylbenzene</td>
</tr>
<tr>
<td>100 LBS</td>
<td>1330-20-7; 8052-42-4</td>
<td>Xylene; Asphalt</td>
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</tbody>
</table>

State regulations

<table>
<thead>
<tr>
<th>State RTK</th>
<th>CAS Number</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA, NJ, PA</td>
<td>14807-96-6</td>
<td>talc</td>
</tr>
<tr>
<td>MA, NJ, PA</td>
<td>8052-41-3</td>
<td>Stoddard solvent</td>
</tr>
<tr>
<td>MA, NJ, PA</td>
<td>1305-78-8</td>
<td>calcium oxide</td>
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<td>98-82-8</td>
<td>cumene</td>
</tr>
</tbody>
</table>

CA Prop. 65:
WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.
NFPA Hazard codes:
Health: 3       Fire: 2       Reactivity: 0       Special:

HMIS III rating
Health: 3       Flammability: 2       Physical hazard: 0

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2015/03/02

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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END OF DATA SHEET