SAFETY DATA SHEET

1. Identification

Product identifier  KILZ® 3 Premium Interior/Exterior Primer

Other means of identification

Product number  1300

Recommended use  Architectural Coating

Recommended restrictions  None known.

Manufacturer/Importer/Supplier/Distributor information

Supplier  Masterchem Industries LLC

3135 Old Highway M

Imperial, MO 63052-2834

Telephone  636-942-2510

Emergency telephone  +1 760 476 3962

+1 866 519 4752

Access code  335213

2. Hazard(s) identification

Physical hazards  Not classified.

Health hazards  Carcinogenicity

OSHA defined hazards  Category 2

Label elements

Signal word  Warning

Hazard statement  Suspected of causing cancer.

Precautionary statement

Prevention  Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

Response  If exposed or concerned: Get medical advice/attention.

Storage  Store locked up.

Disposal  Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)  None known.

Supplemental information  None.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Limestone</td>
<td>1317-65-3</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Diphenyl ketone</td>
<td>119-61-9</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

Composition comments  All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The manufacturer has claimed the exact percentage as trade secret under the OSHA Hazard Communication Standard.
4. First-aid measures

Inhalation
Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact
Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact
Rinse with water. Get medical attention if irritation develops and persists.

Ingestion
Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed
Direct contact with eyes may cause temporary irritation. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed
Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information
IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical
During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions
Move containers from fire area if you can do so without risk.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards
No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up
This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

Environmental precautions
Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid prolonged exposure. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities
Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone (CAS 1317-65-3)</td>
<td>PEL</td>
<td></td>
<td>5 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td>Components</td>
<td>Type</td>
<td>Value</td>
<td>Form</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>------</td>
<td>-------</td>
<td>---------------</td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td>Total dust.</td>
<td></td>
</tr>
<tr>
<td><strong>US. OSHA Table Z-3 (29 CFR 1910.1000)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Components</td>
<td>Type</td>
<td>Value</td>
<td>Form</td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Respirable fraction.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 mg/m³</td>
<td>Total dust.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 mppcf</td>
<td>Total dust.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 mppcf</td>
<td>Respirable fraction.</td>
<td></td>
</tr>
<tr>
<td><strong>US. ACGIH Threshold Limit Values</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Components</td>
<td>Type</td>
<td>Value</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>US. NIOSH: Pocket Guide to Chemical Hazards</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Components</td>
<td>Type</td>
<td>Value</td>
<td>Form</td>
<td></td>
</tr>
<tr>
<td>Limestone (CAS 1317-65-3)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Respirable.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 mg/m³</td>
<td>Total</td>
<td></td>
</tr>
<tr>
<td><strong>US. Workplace Environmental Exposure Level (WEEL) Guides</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Components</td>
<td>Type</td>
<td>Value</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diphenyl ketone (CAS 119-61-9)</td>
<td>TWA</td>
<td>0.5 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Biological limit values**
No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**
Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

- **Eye/face protection**
  Wear safety glasses with side shields (or goggles).

- **Skin protection**
  - Hand protection
    Wear appropriate chemical resistant gloves.

- **Skin protection**
  - Other
    Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

- **Respiratory protection**
  If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

- **Thermal hazards**
  Wear appropriate thermal protective clothing, when necessary.

- **General hygiene considerations**
  Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties**

- **Appearance**
  - Physical state
    Liquid.
  - Form
    Liquid.
  - Color
    White.
  - Odor
    Slight.
  - Odor threshold
    Not available.
pH 7 - 10
Melting point/freezing point Not available.
Initial boiling point and boiling range > 99 °F (> 37.2 °C)
Flash point Not applicable.
Evaporation rate Not available.
Flammability (solid, gas) Not applicable.
Upper/lower flammability or explosive limits
  Flammability limit - lower (%) Not applicable.
  Flammability limit - upper (%) Not applicable.
Vapor pressure Not available.
Vapor density Not available.
Relative density 1.31
Solubility(ies)
  Solubility (water) Soluble in water.
Partition coefficient (n-octanol/water) Not available.
Auto-ignition temperature Not available.
Decomposition temperature Not available.
Viscosity 50 - 140 KU (77 °F (25 °C))
Other information
  Density 10.90 lb/gal
  Explosive properties Not explosive.
  Oxidizing properties Not oxidizing.
  VOC 1 g/l (including water) (Material)
       1 g/l (excluding water) (Coating)

10. Stability and reactivity
Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability Material is stable under normal conditions.
Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.
Conditions to avoid Contact with incompatible materials.
Incompatible materials Strong oxidizing agents. Fluorine.
Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological information
Information on likely routes of exposure
  Inhalation Prolonged inhalation may be harmful.
  Skin contact Prolonged skin contact may cause temporary irritation.
  Eye contact Direct contact with eyes may cause temporary irritation.
  Ingestion May cause discomfort if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation. Prolonged exposure may cause chronic effects.
Information on toxicological effects
Acute toxicity
Components | Species | Test Results |
--- | --- | --- |
Diphenyl ketone (CAS 119-61-9) |  |  |
Acute |  |  |
Dermal |  |  |
LD50 | Rabbit | 3535 mg/kg |
Titanium dioxide (CAS 13463-67-7) |  |  |
Acute |  |  |
Inhalation |  |  |
LC50 | Rat | 3.43 mg/l, 4 Hours |
Oral |  |  |
LD50 | Rat | > 5000 mg/kg |
Skin corrosion/irritation | Prolonged skin contact may cause temporary irritation. |
Serious eye damage/eye irritation | Direct contact with eyes may cause temporary irritation. |
Respiratory or skin sensitization |  |  |
Respiratory sensitization | Not a respiratory sensitizer. |
Skin sensitization | This product is not expected to cause skin sensitization. |
Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
Carcinogenicity | Suspected of causing cancer. |
IARC Monographs. Overall Evaluation of Carcinogenicity |  |  |
Diphenyl ketone (CAS 119-61-9) | 2B Possibly carcinogenic to humans. |
Titanium dioxide (CAS 13463-67-7) | 2B Possibly carcinogenic to humans. |
NTP Report on Carcinogens |  |  |
Not listed. |
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) |  |  |
Not listed. |
Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
Specific target organ toxicity - single exposure | Not classified. |
Specific target organ toxicity - repeated exposure | Not classified. |
Aspiration hazard | Not an aspiration hazard. |
Chronic effects | Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. |
12. Ecological information |  |  |
Ecotoxicity | The product is not classified as environmentally hazardous. |
Persistence and degradability | No data is available on the degradability of any ingredients in the mixture. |
Bioaccumulative potential | No data available. |
Mobility in soil | No data available. |
Other adverse effects | No data available. |
13. Disposal considerations |  |  |
Disposal instructions | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Dispose of contents/container in accordance with local/regional/national/international regulations. |
Local disposal regulations | Dispose in accordance with all applicable regulations. |
Hazardous waste code | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
Waste from residues / unused products | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. |
Contaminated packaging | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |
14. Transport information

DOT
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not established.

15. Regulatory information

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are listed on or exempt from the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Diphenyl ketone (CAS 119-61-9) 0.1 % One-Time Export Notification only.
CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.
SARA 304 Emergency release notification
Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)
Not listed.

Toxic Substances Control Act (TSCA)

Superfund Amendments and Reauthorization Act of 1986 (SARA)
SARA 302 Extremely hazardous substance
Not listed.
SARA 311/312 Hazardous chemical
Yes
Classified hazard categories
Carcinogenicity
SARA 313 (TRI reporting)
Not regulated.

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.
Safe Drinking Water Act (SDWA)
Not regulated.

US state regulations

US. Massachusetts RTK - Substance List
Limestone (CAS 1317-65-3)
Titanium dioxide (CAS 13463-67-7)

US. New Jersey Worker and Community Right-to-Know Act
Limestone (CAS 1317-65-3)
Mildewcide (CAS 55406-53-6)
Titanium dioxide (CAS 13463-67-7)

US. Pennsylvania Worker and Community Right-to-Know Law
Limestone (CAS 1317-65-3)
Titanium dioxide (CAS 13463-67-7)

US. Rhode Island RTK
Limestone (CAS 1317-65-3)
Titanium dioxide (CAS 13463-67-7)
16. Other information, including date of preparation or last revision

Issue date: 14-May-2020
Revision date: -
Version #: 01
HMIS® ratings:
- Health: 0*
- Flammability: 0
- Physical hazard: 0

List of abbreviations:
- DOT: Department of Transportation (49 CFR 172.101).
- IATA: International Air Transport Association.
- LC50: Lethal Concentration, 50%.
- LD50: Lethal Dose, 50%.
- PEL: Permissible Exposure Limit.
- TWA: Time Weighted Average Value.

References:
- HSDB® - Hazardous Substances Data Bank
- IARC Monographs. Overall Evaluation of Carcinogenicity
- National Toxicology Program (NTP) Report on Carcinogens

Disclaimer:
Masterchem Industries LLC cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user’s responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.