1. Identification

1.1. Product identifier
Product Identity: Kleer™
Alternate Names: SDS Number: 033101, PVC Sheet

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use: See Technical Data Sheet.
Application Method: See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet
Company Name: Kleer Lumber A Division Of Tapco International
44 Greif Way
Westfield, MA 01085
Customer Service: Kleer Lumber LLC 413) 572-1700

2. Hazard(s) identification

2.1. Classification of the substance or mixture
No applicable GHS categories.

2.2. Label elements
Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.
No applicable GHS categories.

[Prevention]:
No GHS prevention statements

[Response]:
No GHS response statements

[Storage]:
No GHS storage statements

[Disposal]:
No GHS disposal statements

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC (Chloroethylene, polymer)</td>
<td>75 - 100</td>
<td>Not Classified</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0009002-86-2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>10 - 25</td>
<td>Not Classified</td>
<td>[1][2]</td>
</tr>
<tr>
<td>CAS Number: 0001317-65-3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Titanium dioxide  
CAS Number: 0013463-67-7

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General  In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation  Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes  Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin  If burned by molten plastics, get medical attention immediately.

Ingestion  If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview  During a fire emergency, when this product is burned, it may generate smoke.

Eyes: Smoke from a fire emergency may cause eye irritation.
Skin contact: Molten plastics from a fire may cause skin burns.
Inhalation: Smoke from a fire emergency may cause respiratory irritation.
Ingestion: Unlikely

Medical Conditions Aggravated by Overexposure: Available toxicological information on physical/chemical properties of the material suggest that there is no evidence that this product aggravates an existing medical condition.

5. Fire-fighting measures

5.1. Extinguishing media
Dry chemical, carbon dioxide, water spray, or foam.

5.2. Special hazards arising from the substance or mixture
Hazardous decomposition: If burned, will generate carbon dioxide, carbon monoxide, HCl

5.3. Advice for fire-fighters
In the event of fire, wear NIOSH approved, positive pressure, self-contained breathing apparatus (SCBA). Wear full protective clothing. Evacuate all personnel from danger area. Use dry chemical, foam, water or carbon dioxide to extinguish fire.

PVC will not continue to burn after ignition without an external fire source. However, when forced to burn the gaseous products of the combustion of PVC are carbon monoxide, carbon dioxide, and hydrogen chloride.
6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Not applicable

6.2. Environmental precautions
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up
Pick up.

7. Handling and storage

7.1. Precautions for safe handling
Use with care, wear gloves when cutting or fabricating sheet

7.2. Conditions for safe storage, including any incompatibilities
Incompatible materials: No data available.
Store in a cool, dry, well-ventilated area, away from sources of extreme heat or fire. Note: Electrical build up is possible.

7.3. Specific end use(s)
No data available.

8. Exposure controls and personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001317-65-3</td>
<td>Calcium carbonate</td>
<td>OSHA</td>
<td>TWA 15 mg/m3 (total) TWA 5 mg/m3 (resp)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA: 10 mg/m3 Ceiling: 20 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>TWA 10 mg/m3 (total) TWA 5 mg/m3 (resp)</td>
</tr>
<tr>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
<td></td>
</tr>
<tr>
<td>0009002-86-2</td>
<td>PVC (Chloroethylene, polymer)</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA: 1 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
<td></td>
</tr>
<tr>
<td>0013463-67-7</td>
<td>Titanium dioxide</td>
<td>OSHA</td>
<td>TWA 15 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA: 10 mg/m32B, Revised 2006,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>Footnote ca</td>
</tr>
<tr>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
<td></td>
</tr>
</tbody>
</table>
Carcinogen Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001317-65-3</td>
<td>Calcium carbonate</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
<tr>
<td>0009002-86-2</td>
<td>PVC (Chloroethylene, polymer)</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;</td>
</tr>
<tr>
<td>0013463-67-7</td>
<td>Titanium dioxide</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Respiratory Wear SCBA during fire.
Eyes Wear safety glasses during sheet cutting or fabricating process.
Skin Wear gloves when cutting or fabricating sheets by hand

Engineering Controls Provide adequate ventilation.
Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

9. Physical and chemical properties

Appearance Finished sheet with colors specified, Solid
Odor Insignificant
Odor threshold Not determined
pH Not Measured
Melting point / freezing point Not Measured
Initial boiling point and boiling range Not Measured
Flash Point Not Measured
Evaporation rate (Ether = 1) Not Measured
Flammability (solid, gas) Not Applicable
Upper/lower flammability or explosive limits
  Lower Explosive Limit: Not Measured
  Upper Explosive Limit: Not Measured
Vapor pressure (Pa) Not Measured
Vapor Density Not Measured
Specific Gravity 0.5 - 1.55 (Water = 1)
Solubility in Water None
Partition coefficient n-octanol/water (Log Kow) Not Measured
Auto-ignition temperature Not Measured
Decomposition temperature Not Measured
Viscosity (cSt) Not Measured
10. Stability and reactivity

10.1. Reactivity
Hazardous Polymerization will not occur.

10.2. Chemical stability
Stable under normal circumstances.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
Fire or extreme heat

10.5. Incompatible materials
No data available.

10.6. Hazardous decomposition products
If burned, will generate carbon dioxide, carbon monoxide, HCl

11. Toxicological information

Acute toxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LC50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LC50, mg/L/4hr</th>
<th>Inhalation Gas LC50, ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC (Chloroethylene, polymer) - (9002-88-2)</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Calcium carbonate - (1317-65-3)</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Titanium dioxide - (13463-67-7)</td>
<td>10,000.00, Rat - Category: NA</td>
<td>10,000.00, Rabbit - Category: NA</td>
<td>No data available</td>
<td>6.82, Rat - Category: NA</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
<th>Hazard Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
Acute toxicity (inhalation) | --- | Not Applicable
Skin corrosion/irritation | --- | Not Applicable
Serious eye damage/irritation | --- | Not Applicable
Respiratory sensitization | --- | Not Applicable
Skin sensitization | --- | Not Applicable
Germ cell mutagenicity | --- | Not Applicable
Carcinogenicity | --- | Not Applicable
Reproductive toxicity | --- | Not Applicable
STOT-single exposure | --- | Not Applicable
STOT-repeated exposure | --- | Not Applicable
Aspiration hazard | --- | Not Applicable

12. Ecological information

12.1. Toxicity
No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC (Chloroethylene, polymer) - (9002-86-2)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Calcium carbonate - (1317-65-3)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Titanium dioxide - (13463-67-7)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
There is no data available on the preparation itself.

12.3. Bioaccumulative potential
Not Measured

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects
No data available.

13. Disposal considerations

13.1. Waste treatment methods
Observe all federal, state and local regulations when disposing of this substance.
### 14. Transport information

<table>
<thead>
<tr>
<th>14.1. UN number</th>
<th>DOT (Domestic Surface Transportation)</th>
<th>Not Applicable</th>
<th>IMO / IMDG (Ocean Transportation)</th>
<th>Not Regulated</th>
<th>ICAO/IATA</th>
<th>Not Regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2. UN proper shipping name</td>
<td>Not Regulated</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td>DOT Hazard Class: Not Applicable</td>
<td></td>
<td>IMDG: Not Applicable</td>
<td></td>
<td>Air Class: Not Applicable</td>
<td></td>
</tr>
<tr>
<td>14.4. Packing group</td>
<td>Not Applicable</td>
<td></td>
<td>Sub Class: Not Applicable</td>
<td></td>
<td>Not Applicable</td>
<td></td>
</tr>
<tr>
<td>14.5. Environmental hazards</td>
<td></td>
<td>IMDG Marine Pollutant: No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 15. Regulatory information

**Regulatory Overview**
The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act (TSCA)**
All components of this material are either listed or exempt from listing on the TSCA Inventory.

**WHMIS Classification**
Not Regulated

**US EPA Tier II Hazards**

| Fire: No | Sudden Release of Pressure: No | Reactive: No | Immediate (Acute): No | Delayed (Chronic): No |

**EPCRA 311/312 Chemicals and RQs:**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 302 Extremely Hazardous:**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (>0.0%):**

- Titanium dioxide

**Proposition 65 - Developmental Toxins (>0.0%):**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (>0.0%):**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
New Jersey RTK Substances (>1%):
   Calcium carbonate
   PVC (Chloroethylene, polymer)
   Titanium dioxide
Pennsylvania RTK Substances (>1%):
   Calcium carbonate
   Titanium dioxide

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is: Not applicable

End of Document