SAFETY DATA SHEET

Section 1. Identification

Product identifier : SANTOWEB DX
Material Number : 56876778
Identified uses : Rubber chemicals.
Supplier/Manufacturer : RHEIN CHEMIE CORPORATION
145 Parker Court
Chardon, Ohio 44024
USA
In case of emergency : Chemtrec 1-800-424-9300  International 1-703-527-3887.

Section 2. Hazards identification

HAZCOM Standard Status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), the SDS contains valuable information critical to the safe handling and proper use of the product. The SDS should be retained and available for employees and other users of this product.

Physical state : Solid.
Color : Black.
Classification of the substance or mixture : Not classified.

Signal word : No signal word.
Hazard statements : No known significant effects or critical hazards.

Precautionary statements
Prevention : Not applicable.
Response : Not applicable.
Storage : Not applicable.
Disposal : Not applicable.

Supplemental label elements : Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink.

Section 3. Composition/information on ingredients

Substance/mixture : Polymer
The following potentially hazardous ingredient(s) are used to formulate this product. As supplied, the ingredient(s) are bound in a polymer matrix. Because they are bound in the matrix, they are not expected to create any unusual hazards when handled and processed. According to good manufacturing and industrial hygiene practices and the guidelines provided by this SDS.

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>%</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cellulose Pulp</td>
<td>70 - 76%</td>
<td>65996-61-4</td>
</tr>
<tr>
<td>Distillates, petroleum, solvent-dewaxed heavy par affinic</td>
<td>10 - 15%</td>
<td>64742-65-0</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>&lt;4%</td>
<td>1333-86-4</td>
</tr>
<tr>
<td>Rosin</td>
<td>&lt; 0.65%</td>
<td>8050-09-7</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.
Section 3. Composition/information on ingredients

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

**Description of first aid measures**

**Eye contact**: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**Inhalation**: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Skin contact**: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Get medical attention if thermal burns occur.

**Ingestion**: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

**Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.**

**Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.**

**Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Get medical attention if thermal burns occur.**

**Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.**

**No special measures required.**

**Treat symptomatically. No specific treatment.**

**No special measures required.**

**No known significant effects or critical hazards.**

**No known significant effects or critical hazards.**

**Contact with hot material will cause thermal burns.**

**No specific data.**

**No specific data.**

**No specific data.**

**Reddening, itching, swelling, burning and possible permanent damage.**

**No specific data.**

**No known significant effects or critical hazards.**

**No known significant effects or critical hazards.**

**No known significant effects or critical hazards.**

**Over-exposure signs/symptoms**

**Eye contact**: No specific data.

**Inhalation**: No specific data.

**Skin contact**: Reddening, itching, swelling, burning and possible permanent damage.

**Ingestion**: No specific data.

**Notes to physician**: Treat symptomatically. No specific treatment.

**Protection of first-aiders**: No special measures required.

**Potential chronic health effects**

No known significant effects or critical hazards.

**Potential acute health effects**

**Eye contact**: No known significant effects or critical hazards.

**Inhalation**: No known significant effects or critical hazards.

**Skin contact**: Contact with hot material will cause thermal burns.

**Ingestion**: No known significant effects or critical hazards.

**Section 5. Fire-fighting measures**

**Extinguishing media**

**Suitable extinguishing media**: Use an extinguishing agent suitable for the surrounding fire. In case of fire, use water spray (fog), foam or dry chemical.

**Unsuitable extinguishing media**: None known.

**Specific hazards arising from the chemical**: Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.

**Hazardous thermal decomposition products**: Decomposition products may include the following materials:

- Carbon dioxide
- Carbon monoxide

**Special protective actions for fire-fighters**: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters**: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Section 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**Environmental precautions**
No special measures required.

**Methods and materials for containment and cleaning up**
Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. If molten, allow material to cool and place into an appropriate marked container for disposal. Prevent entry into sewers, water courses, basements or confined areas.

Section 7. Handling and storage

**Precautions for safe handling**

**Protective measures**
Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

**Conditions for safe storage**
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Empty containers or liners may retain some product residues.

Section 8. Exposure controls/personal protection

**Ingredient name**

| Distillates, petroleum, solvent-dewaxed heavy par affinic | ACGIH TLV (United States, 6/2013). TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction
| Carbon Black | ACGIH TLV (United States). TWA: 5 mg/m³ Form: Mist

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Appropriate engineering controls**
Thermal processing operations should be ventilated to control gases and fumes given off during processing.

**Personal protection**
Section 8. Exposure controls/personal protection

**Hygiene measures**: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Respiratory protection**: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Skin protection**: Permeation resistant gloves.

**Eye/face protection**: If contact with product is possible, wear safety glasses with side shields.

**Medical Surveillance**: Not available.

Section 9. Physical and chemical properties

**Physical state**: Solid. [Fibrous solid.]

**Color**: Black.

**Odor**: Characteristic.

**Odor threshold**: Not available.

**pH**: Not applicable.

**Boiling point**: Not available.

**Melting point**: Not available.

**Flash point**: Closed cup: >176°C (>348.8°F)

**Evaporation rate**: Not available.

**Explosion limits**: Not available.

**Vapor pressure**: Not applicable

**Density**: 1.33 g/cm³

**Specific gravity (Relative density)**: Not available.

**Bulk density**: 500 kg/m³

**Solubility**: Insoluble in the following materials: cold water

**Partition coefficient: n-octanol/water**: Not available.

**Vapor density**: Not available.

**Viscosity**: Not available.

**Ignition temperature**: >187°C

**Auto-ignition temperature**: Not applicable.

**Decomposition temperature**: Not available.

Section 10. Stability and reactivity

**Reactivity**: No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability**: The product is stable.

**Possibility of hazardous reactions**: Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid**: Extremes of temperature and direct sunlight.

**Incompatible materials**: No specific data.

**Hazardous decomposition products**: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Section 11. Toxicological information

Information on the likely routes of exposure : Dermal contact. Inhalation.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : Contact with hot material will cause thermal burns.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : Reddening, itching, swelling, burning and possible permanent damage.
Ingestion : No specific data.

Potential chronic health effects

Short term exposure

Potential immediate effects : Not available.

Long term exposure

Potential delayed effects : Not available.
General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
<th>Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, petroleum, solvent-dewaxed heavy paraffinic Carbon Black</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat - Male, Female</td>
<td>&gt;8000 mg/kg</td>
<td>-</td>
<td>OECD 401 Acute Oral Toxicity</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>2800 mg/kg</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Distillates, petroleum, solvent-dewaxed heavy paraffinic Carbon Black</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>&gt;3000 mg/kg</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Rat</td>
<td>&gt;2000 mg/kg</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>LC50 Inhalation Dusts and mists</td>
<td>Rat</td>
<td>&gt;4.6 mg/m³</td>
<td>4 hours</td>
<td>*</td>
</tr>
</tbody>
</table>

Conclusion/Summary : Carbon Black:*Dosage caused no mortality

Irritation/Corrosion
## Section 11. Toxicological information

### Carcinogenicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, petroleum, solvent-dewaxed heavy par affinic</td>
<td>Equivocal - Dermal</td>
<td>Mouse</td>
<td>Female</td>
<td>1 years</td>
<td>14 days</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>Equivocal - Dermal</td>
<td>Mouse</td>
<td>Female</td>
<td>2 years</td>
<td>14 days</td>
</tr>
</tbody>
</table>

### Product/ingredient name
- Carbon Black
- Distillates, petroleum, solvent-dewaxed heavy par affinic
- Carbon Black

### Conclusion/Summary

**Skin**: Distillates, petroleum, solvent-dewaxed heavy par affinic: Slight irritant (tested on rabbits)
Carbon Black: Non-irritating (Rabbit)
Rosin: Non-irritating

**Eyes**: Distillates, petroleum, solvent-dewaxed heavy par affinic: Non-irritating (tested on rabbit eyes)
Carbon Black: Non-irritating (Rabbit)
Rosin: Non-irritating

### Sensitization

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Route of exposure</th>
<th>Species</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, petroleum, solvent-dewaxed heavy par affinic</td>
<td>skin</td>
<td>Guinea pig</td>
<td>Not sensitizing</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>skin</td>
<td>Guinea pig</td>
<td>Not sensitizing</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>Respiratory</td>
<td>Mouse</td>
<td>Not sensitizing</td>
</tr>
</tbody>
</table>

### Chronic toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, petroleum, solvent-dewaxed heavy par affinic</td>
<td>Chronic NOAEL Dermal</td>
<td>Rabbit</td>
<td>200 mg/kg</td>
<td>28 days</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>Chronic NOAEL Inhalation Vapor</td>
<td>Rat</td>
<td>0.21 mg/l</td>
<td>28 days</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>Chronic LOAEL Inhalation Dusts and mists</td>
<td>Rat - Male, Female</td>
<td>2.5 mg/m³</td>
<td>24 months; 16 hours per day</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>Sub-chronic NOEL Inhalation Dusts and mists</td>
<td>Rat - Male</td>
<td>1.1 mg/m³</td>
<td>13 weeks; 6 hours per day</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>Sub-chronic LOAEL Inhalation Dusts and mists</td>
<td>Rat - Male</td>
<td>7.1 mg/m³</td>
<td>13 weeks; 6 hours per day</td>
</tr>
</tbody>
</table>

### Carcinogenicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, petroleum, solvent-dewaxed heavy par affinic</td>
<td>Equivocal - Dermal</td>
<td>Mouse - Female</td>
<td>-</td>
<td>1 years</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>Equivocal - Dermal</td>
<td>Mouse - Male</td>
<td>-</td>
<td>2 years</td>
</tr>
</tbody>
</table>

### CAS 

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Black</td>
<td>2B Possibly carcinogenic to humans</td>
<td>Not classified.</td>
<td>Not classified.</td>
</tr>
</tbody>
</table>
### Section 11. Toxicological information

#### Specific target organ toxicity (single exposure)

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cellulose Pulp</td>
<td>Category 3</td>
<td>Not applicable.</td>
<td>Respiratory tract irritation</td>
</tr>
<tr>
<td>Distillates, petroleum, solvent-dewaxed heavy par affinic</td>
<td>Category 3</td>
<td>Not applicable.</td>
<td>Respiratory tract irritation</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>Category 3</td>
<td>Not applicable.</td>
<td>Respiratory tract irritation</td>
</tr>
</tbody>
</table>

#### Acute toxicity estimates

<table>
<thead>
<tr>
<th>Route</th>
<th>ATE value (Acute Toxicity Estimates)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not available.</td>
<td></td>
</tr>
</tbody>
</table>

### Section 12. Ecological information

#### Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, petroleum, solvent-dewaxed heavy par affinic</td>
<td>-</td>
<td>EC50 &gt;10000 mg/l</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>LC50 &gt;1000 mg/l</td>
<td>Fish - Salmo gairdneri</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>LC50 &gt;5000 mg/l</td>
<td>Fish - Trout</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>Acute EC50 &gt;1000 mg/l</td>
<td>Scenedesmus subspicatus</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>Acute EC50 &gt;1000 mg/l</td>
<td>Bacteria - Pseudomonas fluorescens</td>
<td>6 hours</td>
</tr>
<tr>
<td></td>
<td>OECD 202</td>
<td>Acute EC50 &gt;1000 mg/l</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>OECD 203</td>
<td>Acute LC50 &gt;5000 mg/l</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>96 hours</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>OECD 201 Alga, Growth Inhibition Test</td>
<td>EC10 &gt;10000 mg/l</td>
<td>Algae - Desmodesmus subspicatus</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>OECD 201 Alga, Growth Inhibition Test</td>
<td>EC50 &gt;10000 mg/l</td>
<td>Algae - Desmodesmus subspicatus</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>OECD 202 Daphnia sp. Acute Immobilization Test</td>
<td>Acute LC50 &gt;5600 mg/l</td>
<td>Daphnia - Daphnia magna</td>
<td>24 hours</td>
</tr>
<tr>
<td></td>
<td>OECD 203 Fish, Acute Toxicity Test</td>
<td>Acute LC50 &gt;1000 mg/l</td>
<td>Fish - Danio rerio</td>
<td>96 hours</td>
</tr>
</tbody>
</table>

#### Conclusion/Summary

**Persistence and degradability

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Result</th>
<th>Dose</th>
<th>Inoculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, petroleum, solvent-dewaxed heavy par affinic</td>
<td>OECD 301F Ready Biodegradability - Manometric Respirometry Test</td>
<td>31 % - Inherent - 28 days</td>
<td>44 mg/l</td>
<td>Activated sludge</td>
</tr>
</tbody>
</table>
Section 12. Ecological information

**Bioaccumulative potential**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, petroleum, solvent-dewaxed heavy par affinic</td>
<td>&gt;3.9</td>
<td>-</td>
<td>high</td>
</tr>
</tbody>
</table>

**Mobility in soil**

| Soil/water partition coefficient (K<sub>oc</sub>) | Not available. |

**Other adverse effects**

No known significant effects or critical hazards.

Section 13. Disposal considerations

**Disposal methods**

The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Waste disposal should be in accordance with existing federal, state, provincial and or local environmental controls laws.

**RCRA classification**

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Section 14. Transport information

<table>
<thead>
<tr>
<th>Regulatory information</th>
<th>UN number</th>
<th>Proper shipping name</th>
<th>Classes</th>
<th>PG*</th>
<th>Label</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Classification</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Not regulated.</td>
</tr>
<tr>
<td>IMDG Class</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Not regulated.</td>
</tr>
<tr>
<td>IATA-DGR Class</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Not regulated.</td>
</tr>
</tbody>
</table>

PG* : Packing group

RQ : 0 lbs

Section 15. Regulatory information

**SARA 311/312**

Not applicable.

**SARA Title III Section 302 Extremely Hazardous Substances**

None

**SARA Title III Section 313 Toxic Chemicals**

None

**US EPA CERCLA Hazardous Substances (40 CFR 302)**

None

**State regulations**

None
Section 15. Regulatory information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections on the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>CAS number</th>
<th>State Code</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Black</td>
<td>1333-86-4</td>
<td>MA - S, NJ - HS, PA - RTK HS</td>
<td>&lt;4%</td>
</tr>
<tr>
<td>Distillates, petroleum, solvent-dewaxed</td>
<td></td>
<td>NJ - HS, PA - RTK HS</td>
<td>10 - 15%</td>
</tr>
<tr>
<td>heavy par affinic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cellulose Pulp</td>
<td>65996-61-4</td>
<td>MA - S, NJ - HS, PA - RTK HS</td>
<td>70 - 76%</td>
</tr>
<tr>
<td>Distillates, petroleum, solvent-dewaxed</td>
<td>64742-65-0</td>
<td>MA - S, NJ - HS, PA - RTK HS</td>
<td>10 - 15%</td>
</tr>
<tr>
<td>heavy par affinic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Styrene-Butadiene Copolymer</td>
<td>9003-55-8</td>
<td>MA - S, MA - Extra HS, PA - RTK HS</td>
<td>5 - 10%</td>
</tr>
<tr>
<td>Distillates, petroleum, solvent-dewaxed</td>
<td>64742-65-0</td>
<td>MA - S, MA - Extra HS, PA - RTK HS</td>
<td>10 - 15%</td>
</tr>
<tr>
<td>Cellulose Pulp</td>
<td>65996-61-4</td>
<td>MA - S, MA - Extra HS, PA - RTK HS</td>
<td>70 - 76%</td>
</tr>
<tr>
<td>Distillates, petroleum, solvent-dewaxed</td>
<td>64742-65-0</td>
<td>MA - S, MA - Extra HS, PA - RTK HS</td>
<td>10 - 15%</td>
</tr>
<tr>
<td>heavy par affinic</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Massachusetts Substances: MA - S
Massachusetts Extraordinary Hazardous Substances: MA - Extra HS
New Jersey Hazardous Substances: NJ - HS
Pennsylvania RTK Hazardous Substances: PA - RTK HS
Pennsylvania Special Hazardous Substances: PA - Special HS

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>CAS number</th>
<th>Concentration (%)</th>
<th>Cancer</th>
<th>Reproductive</th>
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<tbody>
<tr>
<td>Carbon Black</td>
<td>1333-86-4</td>
<td>&lt;4%</td>
<td>Yes</td>
<td></td>
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</tbody>
</table>

U.S. Toxic Substances Control Act

Listed on the TSCA Inventory.

Section 16. Other information

Hazardous Material Information System:

- **Health**: 1
- **Flammability**: 1
- **Physical hazards**: 0

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme
*Chronic

The customer is responsible for determining the PPE code for this material. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

National Fire Protection Association (U.S.A.)

LANXESS' method of hazard communication is comprised of Product Labels and Safety Data Sheets. HMIS and NFPA ratings are provided by LANXESS as a customer service.

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Date of issue : 08-18-2014
### Section 16. Other information

<table>
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<th>Date of previous issue</th>
<th>: 08-18-2014</th>
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</thead>
<tbody>
<tr>
<td>Version</td>
<td>: 1</td>
</tr>
</tbody>
</table>

Product Safety and Regulatory Affairs

 Indicates information that has changed from previously issued version.

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