SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name : HCF Gray
Product form : Mixture
Product code : 30108

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Plasti Dip International, Inc.
3920 Pheasant Ridge Drive
Blaine, MN 55449
Phone - (763) 785-2156

1.4. Emergency telephone number
Emergency number : CHEMTREC: 1-800-424-9300 (US); 703-527-3887 (International)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Flam. Liq. 4 H227
Skin Sens. 1 H317
Mut. 1B H540
Carc. 1B H350
STOT RE 2 H373

2.2. Label elements
GHS-US labelling
Hazard pictograms (GHS-US) :

Signal word (GHS-US) : Danger
Hazard statements (GHS-US) :
H227 - Combustible liquid
H317 - May cause an allergic skin reaction
H340 - May cause genetic defects
H350 - May cause cancer
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US) :
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking
P260 - Do not breathe vapours, mist
P261 - Avoid breathing vapours, mist
P262 - Avoid breathing mist
P272 - Contaminated work clothing must not be allowed out of the workplace
P273 - Avoid contact with skin and eyes
P280 - Wear eye protection, protective clothing, protective gloves
P302+P352 - If on skin: Wash with plenty of soap and water
P308+P313 - If exposed or concerned: Get medical advice/attention
P314 - Get medical advice/attention if you feel unwell
P315 - If skin irritation or rash occurs: Get medical advice/attention
P363 - Wash contaminated clothing before reuse
P370+P378 - In case of fire: Use carbon dioxide (CO2), foam, dry extinguishing powder to extinguish
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS-US)
No data available
SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaolin</td>
<td>(CAS No) 1332-58-7</td>
<td>5 - 10</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>(CAS No) 111-76-2</td>
<td>3 - 7</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>(CAS No) 13463-67-7</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl- with 2-methyl-3(2H)-isothiazolone</td>
<td>(CAS No) 55965-84-9</td>
<td>&lt;= 0.1</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

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

Symptoms/injuries : May cause an allergic skin reaction. May cause genetic defects. May cause cancer. May cause damage to organs through prolonged or repeated exposure.

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : May cause an allergic skin reaction.

Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.

Symptoms/injuries after ingestion : May cause gastrointestinal irritation.

Chronic symptoms : May cause genetic defects. May cause cancer. May cause damage to organs through prolonged or repeated exposure.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Foam. Dry chemical.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustible liquid.

Explosion hazard : Product is not explosive.

Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. Prevent human exposure to fire, fumes, smoke and products of combustion. Avoid contact with sprayed water - material slippery when wet.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.

Other information : Material can splatter above 100 °C / 212 °F.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.
6.1.2. For emergency responders
Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters.
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Sweep or shovel spills into appropriate container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections
No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling : Handle in accordance with good industrial hygiene and safety procedures. Do not handle until all safety precautions have been read and understood. Use only in well-ventilated areas. Do not breathe mist, vapours. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep from freezing.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl- with 2-methyl-3(2H)-isothiazolone (55965-84-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remark (ACGIH)</td>
</tr>
<tr>
<td>Remark (OSHA)</td>
</tr>
<tr>
<td>2-Butoxyethanol (111-76-2)</td>
</tr>
<tr>
<td>ACGIH TWA (ppm)</td>
</tr>
<tr>
<td>Remark (ACGIH)</td>
</tr>
<tr>
<td>OSHA PEL (TWA) (mg/m³)</td>
</tr>
<tr>
<td>OSHA PEL (TWA) (ppm)</td>
</tr>
<tr>
<td>Kaolin (1332-58-7)</td>
</tr>
<tr>
<td>ACGIH TWA (mg/m³)</td>
</tr>
<tr>
<td>Remark (ACGIH)</td>
</tr>
<tr>
<td>OSHA PEL (TWA) (mg/m³)</td>
</tr>
<tr>
<td>Titanium dioxide (13463-67-7)</td>
</tr>
<tr>
<td>ACGIH TWA (mg/m³)</td>
</tr>
<tr>
<td>OSHA PEL (TWA) (mg/m³)</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Gloves. Protective goggles. Protective clothing.

Hand protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.
**SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

- **Physical state**: Liquid
- **Appearance**: Syrupy liquid.
- **Color**: Gray.
- **Odor**: Slight. Ammonia-like.
- **Odor Threshold**: No data available
- **pH**: No data available
- **Relative evaporation rate (butylacetate=1)**: < 1
- **Melting point**: No data available
- **Freezing point**: No data available
- **Boiling point**: 100 °C (212 °F)
- **Flash point**: 67 °C (152.6 °F)
- **Auto-ignition temperature**: No data available
- **Decomposition temperature**: No data available
- **Flammability (solid, gas)**: No data available
- **Vapour pressure**: 17.5 mm Hg @ 20 °C (68 °F)
- **Relative vapour density at 20 °C**: < 1 (Air = 1)
- **Relative density**: 1 - 1.1 (H₂O = 1)
- **Solubility**: Insoluble in water.
- **Log Pow**: No data available
- **Log Kow**: No data available
- **Viscosity, kinematic**: No data available
- **Viscosity, dynamic**: No data available
- **Explosive properties**: No data available
- **Oxidising properties**: No data available
- **Explosive limits**: No data available

9.2. Other information

**SECTION 10: Stability and reactivity**

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂).

**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

- **Acute toxicity**: Not classified
- **Skin corrosion/irritation**: Not classified.
- **Serious eye damage/irritation**: Not classified.
- **Respiratory or skin sensitisation**: May cause an allergic skin reaction.
- **Germ cell mutagenicity**: May cause genetic defects.
Carcinogenicity: May cause cancer.

- **Titanium dioxide (13463-67-7)**
  - IARC group: 2B - Possibly carcinogenic to humans

- **Silica: Crystalline, quartz (14808-60-7)**
  - IARC group: 1 - Carcinogenic to humans

- **Formaldehyde (50-00-0)**
  - IARC group: 1 - Carcinogenic to humans
  - **National Toxicology Program (NTP) Status**: 2 - Known Human Carcinogens

- **Carbon black (1333-86-4)**
  - IARC group: 2B - Possibly carcinogenic to humans

- **Ethyl acrylate (140-88-5)**
  - IARC group: 2B - Possibly carcinogenic to humans

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: Not classified

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after skin contact: May cause an allergic skin reaction.

Symptoms/injuries after eye contact: Direct contact with the eyes is likely to be irritating.

Symptoms/injuries after ingestion: May cause gastrointestinal irritation.

Chronic symptoms: May cause genetic defects. May cause cancer. May cause damage to organs through prolonged or repeated exposure.

### SECTION 12: Ecological information

12.1. **Toxicity**

Ecology - general: No information available.

12.2. **Persistence and degradability**

- **HCF Gray**
  - Persistence and degradability: No information available.

12.3. **Bioaccumulative potential**

- **HCF Gray**
  - Bioaccumulative potential: No information available.

12.4. **Mobility in soil**

- **HCF Gray**
  - Ecology - soil: No information available.

12.5. **Other adverse effects**

No additional information available.

### SECTION 13: Disposal considerations

13.1. **Waste treatment methods**

Waste treatment methods: Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

### SECTION 14: Transport information

In accordance with DOT

Not hazardous for transport

**Additional information**

Other information: No supplementary information available.

**Transport by sea**

No additional information available

**Air transport**

No additional information available
## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### HCF Gray

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt

<table>
<thead>
<tr>
<th>Substance</th>
<th>SARA Section 311/312 Hazard Classes</th>
<th>Immediate (acute) health hazard</th>
<th>Delayed (chronic) health hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium hydroxide (1336-21-6)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Section 302 (EHS) TPQ</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Section 304 EHS RQ</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CERCLA RQ</td>
<td></td>
<td>1000 lb</td>
<td></td>
</tr>
<tr>
<td>Section 313</td>
<td></td>
<td>Listed on US SARA Section 313</td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol (111-76-2)</td>
<td></td>
<td>Certain glycol ethers</td>
<td></td>
</tr>
<tr>
<td>Section 302 (EHS) TPQ</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Section 304 EHS RQ</td>
<td></td>
<td></td>
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<tr>
<td>CERCLA RQ</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Section 313</td>
<td></td>
<td>Listed on US SARA Section 313</td>
<td></td>
</tr>
</tbody>
</table>

### 15.2. International regulations

No additional information available.

### 15.3. US State regulations

**WARNING!** This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

<table>
<thead>
<tr>
<th>Substance</th>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>Non-significant risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide (13463-67-7)</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Not available</td>
</tr>
<tr>
<td>Silica: Crystalline, quartz (14808-60-7)</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Not available</td>
</tr>
<tr>
<td>Formaldehyde (50-00-0)</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Not available</td>
</tr>
<tr>
<td>Carbon black (1333-86-4)</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>40 (gas) µg/day</td>
</tr>
<tr>
<td>Ethyl acrylate (140-88-5)</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Not available</td>
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<tr>
<td>Chemical</td>
<td>CAS Number</td>
<td>States requiring labeling</td>
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<td>----------</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>Massachusetts, New Jersey, Pennsylvania</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>Massachusetts, New Jersey, Pennsylvania</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ammonium hydroxide</td>
<td>1336-21-6</td>
<td>Massachusetts, New Jersey, Pennsylvania, environmental hazard list</td>
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<tr>
<td>1,2-Propylene glycol</td>
<td>57-55-6</td>
<td>Massachusetts, New Jersey, Pennsylvania</td>
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<tr>
<td>Silica: Crystalline, quartz</td>
<td>14808-60-7</td>
<td>Massachusetts, New Jersey, Pennsylvania</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>Massachusetts, New Jersey, Pennsylvania, environmental hazard list</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silica, amorphous, precipitated and gel</td>
<td>112926-00-8</td>
<td>Massachusetts, New Jersey, Pennsylvania</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Talc</td>
<td>14807-96-6</td>
<td>Massachusetts, New Jersey, Pennsylvania</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>7632-00-0</td>
<td>Massachusetts, New Jersey, Pennsylvania, environmental hazard list</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>New Jersey, Pennsylvania, special hazardous substances</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethyl acrylate</td>
<td>140-88-5</td>
<td>New Jersey, Massachusetts, Pennsylvania, special hazardous substances</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SECTION 16: Other information**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indication of changes</td>
<td>Revision 1.0: New SDS Created.</td>
</tr>
<tr>
<td>Revision date</td>
<td>11/24/2015</td>
</tr>
<tr>
<td>Other information</td>
<td>Author: BCS.</td>
</tr>
<tr>
<td>NFPA health hazard</td>
<td>3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.</td>
</tr>
<tr>
<td>NFPA fire hazard</td>
<td>1 - Must be preheated before ignition can occur.</td>
</tr>
</tbody>
</table>
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating
Health : 3*
Flammability : 1
Physical : 0
Personal Protection :

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.