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

1.1. Product identifier

Product form: Mixture
Trade name: White Pigment
CAS No: 4051400101 and 4051400102
Formula: NA

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

Use of the substance/mixture: Pigment Dispersion

1.3. Details of the supplier of the safety data sheet

Composite Resources is supplied by Revchem Composites. 2720 South Willow Ave., Bloomington, CA 92316 1-800-281-4975

1.4. Emergency telephone number

Emergency number: 800.424.9300
CHEMTREC: 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification
Not classified

2.2. Label elements

GHS-US labelling
No labelling applicable

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
Full text of H-phrases: see section 16

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium(IV) oxide</td>
<td>(CAS No) 13463-67-7</td>
<td>&lt;= 70</td>
<td>Carc. 2, H351</td>
</tr>
<tr>
<td>Unsaturated Polyester Resin</td>
<td>(CAS No) TRADE SECRET</td>
<td>&lt;= 30</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell. Assure fresh air breathing. Allow the victim to rest.
First-aid measures after skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries
May cause genetic defects (avoid skin contact and inhalation.). May cause cancer (avoid skin contact and inhalation.). Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/injuries after inhalation
Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.

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

Unsuitable extinguishing media
Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
Fire hazard
Highly flammable liquid and vapour. Flammable liquid and vapour.

Explosion hazard
May form flammable/explosive vapour-air mixture.

Reactivity
No reactivity hazard other than the effects described in sub-sections below.

5.3. Advice for firefighters
Firefighting instructions
Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting
Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures
Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.

6.1.1. For non-emergency personnel
Protective equipment
Gloves. Protective goggles. Protective clothing.

Emergency procedures
Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment
Equip cleanup crew with proper protection.

Emergency procedures
Ventilate area.

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

6.3. Methods and material for containment and cleaning up
For containment
Dam up the liquid spill. Contain released substance, pump into suitable containers.

Methods for cleaning up
Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections
See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Additional hazards when processed
Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling
Use only outdoors or in a well-ventilated area. Avoid breathing DUST, FUMES, MIST, OR VAPORS. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No naked lights. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures
Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/… equipment.
Composite Resource White Pigment
Safety Data Sheet 4051400101 and 4051400102
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Storage conditions: Keep in fireproof place. Keep only in the original container in a cool, well ventilated place away from: Keep container tightly closed.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>titanium(IV) oxide (13463-67-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Ensure exposure is below occupational exposure limits (where available).

Personal protective equipment: Avoid all unnecessary exposure.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Respiratory protection: Wear approved mask.

Other information: When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state: Liquid
- Colour: White
- Odour: Characteristic
- Odour threshold: No data available
- pH: No data available
- Relative evaporation rate (butylacetate=1): No data available
- Melting point: No data available
- Freezing point: No data available
- Boiling point: ≥ 64 °C (≥ 147 °F)
- Flash point: 30 - 34 °C (86 - 93 °F)
- Auto-ignition temperature: No data available
- Decomposition temperature: No data available
- Flammability (solid, gas): No data available
- Vapour pressure: No data available
- Relative vapour density at 20 °C: No data available
- Relative density: ≥ 1.1
- Solubility: No data available
- 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
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No reactivity hazard other than the effects described in sub-sections below.

11/12/2014 EN (English)
10.2. Chemical stability
Polymerization can result in formation of solid deposits, even in vapour space. Highly flammable liquid and vapour. Not established. Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions
Not established.

10.4. Conditions to avoid

10.5. Incompatible materials
strong acids. Strong bases.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Not classified</th>
</tr>
</thead>
</table>

**Titanium(IV) oxide (13463-67-7)**

| LD50 oral rat  | > 10000 mg/kg (Rat; Experimental value, Rat; Experimental value) |
| LD50 dermal rabbit | > 10000 mg/kg (Rabbit; Experimental value, Rabbit; Experimental value) |
| LC50 inhalation rat (mg/l) | > 6.8 mg/l/4h (Rat; Experimental value, Rat; Experimental value) |

Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified

**Titanium(IV) oxide (13463-67-7)**

| IARC group | 2B - Possibly Carcinogenic to Humans |
| Reproductive toxicity | Not classified |
| Specific target organ toxicity (single exposure) | Based on available data, the classification criteria are not met |

| Specific target organ toxicity (repeated exposure) | Not classified |
| Aspiration hazard | Not classified |
| Potential Adverse human health effects and symptoms | Harmful if inhaled. Based on available data, the classification criteria are not met. |
| Symptoms/injuries after inhalation | Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. |

SECTION 12: Ecological information

12.1. Toxicity

**Titanium(IV) oxide (13463-67-7)**

| LC50 fishes 1 | > 1000 mg/l (96 h; Pimephales promelas) |
| EC50 Daphnia 1 | < 1000 mg/l (432 h; Daphnia magna; Static system) |
| LC50 fish 2 | > 1 g/l (96 h; Leuciscus idus) |
| EC50 Daphnia 2 | < 500 mg/l (720 h; Daphnia magna; Static system) |

12.2. Persistence and degradability

| WHITE PIGMENT (mixture) | Not established. |
Unsaturated Polyester Resin (TRADE SECRET)
Persistence and degradability
Not established.

titanium(IV) oxide (13463-67-7)
Persistence and degradability
Biodegradability: not applicable.
Biochemical oxygen demand (BOD)
Not applicable
Chemical oxygen demand (COD)
Not applicable
ThOD
Not applicable
BOD (% of ThOD)
Not applicable

12.3. Bioaccumulative potential

WHITE PIGMENT (mixture)
Bioaccumulative potential
Not established.

Unsaturated Polyester Resin (TRADE SECRET)
Bioaccumulative potential
Not established.

titanium(IV) oxide (13463-67-7)
Bioaccumulative potential
No bioaccumulation data available.

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste disposal recommendations
Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to ...
Additional information
Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials
Avoid release to the environment.

SECTION 14: Transport information
In accordance with DOT
No dangerous good in sense of transport regulations

Additional information
Other information: No supplementary information available.

ADR
Transport document description:

Transport by sea
No additional information available

Air transport
No additional information available

SECTION 15: Regulatory information
15.1. US Federal regulations
No additional information available

15.2. International regulations
CANADA
No additional information available

EU-Regulations
No additional information available
Composite Resource White Pigment  
Safety Data Sheet 4051400101 and 4051400102  
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**
Not classified

**Classification according to Directive 67/548/EEC or 1999/45/EC**
Carc. Cat.2; R45  
Muta. Cat.2; R46  
F; R11  
Xn; R20  
Xi; R36/38  
Full text of R-phrases: see section 16

**15.2.2. National regulations**
No additional information available

**15.3. US State regulations**

<table>
<thead>
<tr>
<th>WHITE PIGMENT (mixture)</th>
</tr>
</thead>
<tbody>
<tr>
<td>State or local regulations</td>
</tr>
<tr>
<td>U.S. - Pennsylvania - RTK (Right to Know) List</td>
</tr>
<tr>
<td>U.S. - Environmental Hazard List</td>
</tr>
<tr>
<td>U.S. - New Jersey - TCPA - Extraordinarily Hazardous Substances (EHS)</td>
</tr>
<tr>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
</tr>
<tr>
<td>U.S. - Massachusetts - Right To Know List</td>
</tr>
</tbody>
</table>

**SECTION 16: Other information**

Other information : None.

Full text of H-phrases: see section 16:

<table>
<thead>
<tr>
<th>Carc. 2</th>
<th>Carcinogenicity, Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>H351</td>
<td>Suspected of causing cancer</td>
</tr>
</tbody>
</table>

**NFPA health hazard**

: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

**NFPA fire hazard**

: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.

**NFPA reactivity**

: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.

**HMIS III Rating**

- **Health**
  : 1 Slight Hazard - Irritation or minor reversible injury possible
- **Flammability**
  : 1 Slight Hazard
- **Physical**
  : 1 Slight Hazard
- **Personal Protection**
  : H

SDS US (GHS HazCom 2012)

To the best of our knowledge this SDS is accurate. The extent allowed by law, this statement is made in lieu of any other warranties, expressed or implied including but not limited to any implied warranty of merchantability or fitness for a particular purpose and is in lieu of any other obligations or liablity on the part of Dura Technologies, Inc.