

# Safety Data Sheet

## Per GHS Standard Format

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** ABC® Asbestos Binding Compound No. 6421 White, No. 6422 Clear, No. 6423 Green

**Recommended Use of Product:** Binder for Asbestos Fibers

#### Information on the Supplier of the Safety Data Sheet

The Restoration Group Ltd  
2/68 Thames Street  
Napier, New Zealand

Emergency Telephone Numbers:  
National Poisons Centre  
0800-764-766

### SECTION 2: HAZARDS IDENTIFICATION

Signal Word: **WARNING**



ABC Asbestos Binding Compound (ABC) is not considered as Dangerous Goods for Transport

ABC is classified as hazardous according to criteria in the EPA Hazardous Substances (Minimum Degrees of Hazards) Notice 2017

Classified under the group standard: "Surface Coatings and Colourants (Subsidiary Hazard)  
Group Standard 2017

**HSNO Approval Number:** HSR002670  
**HSNO Classifications:** 6.1D Harmful if inhaled  
6.3A Causes mild skin irritation  
8.3A Causes Serious Eye Irritation

#### **GHS Classifications:**

Acute Toxicity-Inhalation (Vapors) Category 4  
Acute Toxicity-Inhalation (Dust-mists) Category 2  
Serious eye damage/eye irritation – Category 2  
Skin sensitization – Category 1

#### **Hazard Statements:**

H318: Harmful if inhaled  
H315: Causes mild skin irritation  
H332: Causes Serious Eye Irritation

## PRECAUTIONARY STATEMENTS

**Prevention: P280+P264+P261+P271** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection (eye protection, safety glasses and gloves) during application. When grinding/sanding dry films, wear respiratory protection. Wash hands thoroughly after handling. Avoid breathing fume/vapors/spray. Use only outdoors or in a well-ventilated area.

**Response: P302+P304+P305+P340+P352+P321+P332+P312+P362** If on skin, wash with plenty of soap and water. If in eyes: rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If inhaled: remove victim to fresh air. If exposed or concerned, get medical advice. Call a POISON CENTER or doctor/physician if you feel unwell. Take off contaminated clothing and wash before re-use.

**Storage:** Keep closures tight and containers upright to prevent leakage. KEEP FROM FREEZING. Product is non-combustible.

**Disposal: P501:** The coating and any contaminated diking material should be thoroughly air dried and collected into drums. The drums should be sealed and labeled and land-filled or incinerated according to local, regional and national regulations.

**Hazards Not Otherwise Classified (NHOC):** Not applicable

**Other Information:** Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

## SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

| <u>Chemical Name</u> | <u>CAS No.</u> | <u>Weight, %**</u> |
|----------------------|----------------|--------------------|
| Titanium dioxide     | 13463-67-7     | 10-30              |

\*Not present in Cleartone base or Green

\*\*The exact concentration of composition has been withheld as a trade secret.

## SECTION 4: FIRST AID MEASURES

### General Advice

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

### Eye Contact

If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

### Skin Contact

Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. May cause an allergic skin reaction.

### Inhalation

Remove to fresh air. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately. If not breathing, give artificial respiration. Do not breathe dust.

### Ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

### **Self-Protection of the First Aider**

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8). Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapors or mists.

### **Most important symptoms and effects, both acute and delayed**

#### **Most Important Symptoms and Effects**

Burning sensation. Coughing and/or wheezing. Difficulty in breathing. Itching. Rashes. Hives.

### **Indication of any immediate medical attention and special treatment needed**

#### **Notes to Physician**

Treat symptomatically. May cause sensitization of susceptible persons.

## **SECTION 5: FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media:** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the Chemical:** Product is/or contains a sensitizer. May cause sensitization by skin contact.

#### **Uniform Fire Code:**

Sensitizer: Liquid Toxic: Liquid

**Hazardous Combustion Products:** Carbon oxides

#### **Explosion Data**

Sensitivity to mechanical impact No.

Sensitivity to static impact No.

**Protective Equipment and Precautions for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Avoid breathing vapors or mists. Avoid generation of dust.

**Other Information:** Refer to protective measures listed in Sections 7 & 8

### **Environmental Precautions**

**Environmental Precautions:** Refer to protective measures listed in Sections 7 & 8.

## **Methods and Material for Containment and Cleaning Up**

**Methods for Containment:** Prevent further leakage or spillage if safe to do so

**Methods for Cleaning Up:** Immediately place absorbent material in a sealed water-filled metal container to avoid spontaneous combustion of absorbent material contaminated with this product. Pick up and transfer to properly labeled containers.

## **SECTION 7: HANDLING AND STORAGE**

### **Precautions for Safe Handling**

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Avoid breathing vapors or mists. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Keep away from contact with clothing and other combustible materials to avoid fire.

### **Conditions for Safe Storage, Including any Incompatibilities**

**Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

**Incompatible Products:** None known based on information supplied

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Exposure Guidelines**

| <b><i>Chemical Name</i></b>    | <b><i>ACGIH TLV</i></b>   | <b><i>OSHA PEL</i></b>   | <b><i>NIOSH IDLH</i></b>     |
|--------------------------------|---------------------------|--|------------------------------|
| Titanium dioxide<br>13463-67-7 | TWA: 10 mg/m <sup>3</sup> | TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 10 mg/m <sup>3</sup> total dust | IDLH: 5000 mg/m <sup>3</sup> |

ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration – Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

### **Appropriate Engineering Controls**

**Engineering Measures:** Showers / Eyewash Stations / Ventilation Systems

### **Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection:** If splashes are likely to occur, wear safety glasses with side shields (or goggles). None required for consumer use.

**Skin and Body Protection:** Wear protective gloves and protective clothing

**Respiratory Protection:** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                        |                          |                        |                          |
|------------------------|--------------------------|------------------------|--------------------------|
| <b>Physical State:</b> | Viscous liquid           | <b>Odor:</b>           | Very Slight              |
| <b>Appearance:</b>     | White, clear or green    | <b>Odor Threshold:</b> | No information available |
| <b>Color:</b>          | No information available |                        |                          |

| <u>Property</u>                        | <u>Values</u>     | <u>Remarks/Method</u> |
|--|-------------------|-----------------------|
| pH                                     | 8.5               | None known            |
| Melting/freezing point                 | No data available | None known            |
| Boiling point/boiling range            | No data available | None known            |
| Flash Point                            | No data available | None known            |
| Evaporation rate                       | No data available | None known            |
| Flammability (solid, gas)              | No data available | None known            |
| Flammability Limit in Air              |                   |                       |
| Upper flammability limit               | No data available | None known            |
| Lower flammability limit               | No data available | None known            |
| Vapor pressure                         | No data available | None known            |
| Vapor density                          | No data available | None known            |
| Specific Gravity                       | No data available | None known            |
| Water Solubility                       | Miscible in water | None known            |
| Solubility in other solvents           | No data available | None known            |
| Partition coefficient: n-octanol/water | No data available | None known            |
| Autoignition temperature               | No data available | None known            |
| Decomposition temperature              | No data available | None known            |
| Kinematic viscosity                    | No data available | None known            |
| Dynamic viscosity                      | No data available | None known            |
| Explosive properties                   | No data available |                       |
| Oxidizing properties                   | No data available |                       |

### Other Information

|                            |                   |
|----------------------------|-------------------|
| Softening Point            | No data available |
| VOC Content (%)            | No data available |
| Particle size              | No data available |
| Particle size distribution | No data available |

## SECTION 10: STABILITY AND REACTIVITY

### **Reactivity**

No data available

### **Conditions to Avoid**

Excessive heat

### **Chemical Stability**

Stable under recommended storage conditions

### **Incompatible Materials**

None known based on information supplied

### **Possibility of Hazardous Reactions**

None under normal processing

### **Hazardous Decomposition Products**

Carbon oxides

### **Hazardous Polymerization**

Hazardous polymerization does not occur

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **Information on Likely Routes of Exposure**

**Product Information:** Product does not present an acute toxicity hazard based on known or supplied information

**Inhalation:** Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation (based on components).

**Eye Contact:** Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. May cause redness, itching, and pain. May cause temporary eye irritation.

**Skin Contact:** Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.

**Ingestion:** Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### **Component Information**

| <b><i>Chemical Name</i></b>    | <b><i>Oral LD50</i></b> | <b><i>Dermal LD50</i></b> | <b><i>Inhalation LC50</i></b> |
|--------------------------------|-------------------------|---------------------------|-------------------------------|
| Titanium dioxide<br>13463-67-7 | > 10000 mg/kg (Rat)     |                           |                               |

### **Information on Toxicological Effects**

**Symptoms:** May cause redness and tearing of the eyes, coughing and/or wheezing, itching, rashes and hives.

### **Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**

**Sensitization:** May cause sensitization of susceptible persons. May cause sensitization by skin contact.

**Mutagenic Effects:** No information available.

**Carcinogenicity:** The table below indicates whether each agency has listed any ingredient as a carcinogen

| <b>Chemical Name</b>           | <b>ACGIH</b> | <b>IARC</b> | <b>NTP</b> | <b>OSHA</b> |
|--------------------------------|--------------|-------------|------------|-------------|
| Titanium dioxide<br>13463-67-7 |              | Group 2B    |            | X           |

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A2 – Suspected Human Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 2B – Possibly Carcinogenic to Humans

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X-Present

**Reproductive Toxicity, STOT Single Exposure, STOT Repeated Exposure:** No information available

**Chronic Toxicity:** Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. Contains a known or suspected carcinogen.

**Target Organ Effects:** Eyes, respiratory system, skin, gastrointestinal tract (GI) & lungs.

**ATEmix (oral)**

8,711.00 mg/kg

**ATEmix (dermal)**

21,608.00 mg/kg (ATE)

**ATEmix (inhalation-gas)**

3,118.00 ppm (4hr)

**ATEmix (inhalation-dust/mist)**

2.41 mg/l

**ATEmix (inhalation-vapor)**

16.00 ATEmix

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and Degradability:** No information available

**Bioaccumulation:** No information available

**Other Adverse Effects:** No information available

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

**Disposal Methods:** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging:** Dispose of contents/containers in accordance with local regulations

## California Hazardous Waste Codes: 331

### SECTION 14: TRANSPORT INFORMATION

DOT  
Proper Shipping Name Not Regulated  
Hazard Class Non-Regulated  
N/A

TDG  
No data available

IATA  
No data available

IMDG/IMO  
No data available

### SECTION 15: REGULATORY INFORMATION

Classified under the group standard: "Surface Coatings and Colourants (Subsidiary Hazard)  
Group Standard 2017

HSNO Approval Number: HSR002670  
HSNO Classifications: 6.1D Harmful if inhaled  
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GHS Classifications:  
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Serious eye damage/eye irritation – Category 2  
Skin sensitization – Category 1

|                          |                          |         |
|--------------------------|--------------------------|---------|
| This Substance triggers: | Compliance Certificate:  | N/A     |
|                          | Certified Handler:       | N/A     |
|                          | Emergency Response Plan: | 10,000L |
|                          | Secondary Containment:   | 10,000L |
|                          | Signage:                 | 1,000L  |

This substance is not required to be tracked. All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance

### SECTION 16: OTHER INFORMATION

|      |                   |                |                   |  |
|------|-------------------|----------------|-------------------|--|
| NFPA | Health Hazards 2  | Flammability 0 | Instability 0     | Physical and Chemical Hazards<br>Personal Protection |
| HMS  | Health Hazards 2* | Flammability 0 | Physical Hazard 0 | X  |

Chronic Hazard Star Legend \* = Chronic Health Hazard