



# SAFETY DATA SHEET

## 1. Identification

|  |  |   |
|--|--|---|
| Product identifier                                     | OCAL Patching Compound - Green                   |   |
| Other means of identification                          |  |   |
| SDS number   | SDS-00079  |   |
| Product code   | PATCHP-GN  |   |
| Recommended use  | Vinyl Resin Coating                              |   |
| Recommended restrictions                               | None known.                                      |   |
| Manufacturer/Importer/Supplier/Distributor information |  |   |
| Company name   | ABB Installation Products Inc.                   |   |
| Address  | 860 Ridge Lake Blvd.<br>Memphis, TN 38120<br>USA |   |
| Telephone  | 901-252-5000 ext. 8324                           |   |
| Emergency telephone                                    | INFOTRAC - 24 HOURS:                             | 1-800-535-5053<br>+1 352-323-3500 (Outside USA) |

## 2. Hazard(s) identification

|   |  |
|---|--|
| Physical hazards                          | Not classified.  |
| Health hazards                            | Not classified.  |
| OSHA defined hazards                      | Not classified.  |
| Label elements                            |  |
| Hazard symbol                             | None.  |
| Signal word                               | None.  |
| Hazard statement                          | The mixture does not meet the criteria for classification.                     |
| Precautionary statement                   |  |
| Prevention                                | Observe good industrial hygiene practices.                                     |
| Response                                  | Wash hands after handling.   |
| Storage                                   | Store away from incompatible materials.  |
| Disposal                                  | Dispose of waste and residues in accordance with local authority requirements. |
| Hazard(s) not otherwise classified (HNOC) | None known.  |
| Supplemental information                  | None.  |

## 3. Composition/information on ingredients

| Mixtures             |  |         |
|----------------------|--|---------|
| Chemical name        | CAS number   | %       |
| Titanium dioxide     | 13463-67-7   | 0.1 - 1 |
| Composition comments | The specific chemical identity and/or exact percentage of component(s) have been withheld as a trade secret.<br>All concentrations are in percent by weight unless otherwise indicated. Components not listed are either non-hazardous or are below reportable limits. |         |

## 4. First-aid measures

|              |  |
|--------------|--|
| Inhalation   | Move to fresh air. Call a physician if symptoms develop or persist.                      |
| Skin contact | Wash off with soap and water. Get medical attention if irritation develops and persists. |
| Eye contact  | Rinse with water. Get medical attention if irritation develops and persists.             |

|   |   |
|---|---|
| <b>Ingestion</b>  | Rinse mouth. Get medical attention if symptoms occur.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Direct contact with eyes may cause temporary irritation.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Treat symptomatically.  |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.  |
| <b>5. Fire-fighting measures</b>  |   |
| <b>Suitable extinguishing media</b>   | Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).   |
| <b>Unsuitable extinguishing media</b>   | Do not use water jet as an extinguisher, as this will spread the fire.  |
| <b>Specific hazards arising from the chemical</b>                             | Containers may explode when heated. During fire, hazardous combustion products are released that may include: Carbon oxides. Toxic fumes.   |
| <b>Special protective equipment and precautions for firefighters</b>          | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   |
| <b>Fire fighting equipment/instructions</b>                                   | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. |
| <b>Specific methods</b>   | Use standard firefighting procedures and consider the hazards of other involved materials.  |
| <b>General fire hazards</b>   | Will burn if involved in a fire.  |

## 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Ensure adequate ventilation. In case of spills, beware of slippery floors and surfaces. For personal protection, see section 8 of the SDS.   |
| <b>Methods and materials for containment and cleaning up</b>               | <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p> |
| <b>Environmental precautions</b>   | Avoid discharge into drains, water courses or onto the ground.  |

## 7. Handling and storage

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                | Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Do not ingest. Use with adequate ventilation. Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Wash hands thoroughly after handling. In case of spills, beware of slippery floors and surfaces. Wear appropriate personal protective equipment (See Section 8). Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Keep container tightly closed in a dry and well-ventilated place. Store in original container. Protect from direct sunlight. Protect from freezing. Keep container tightly closed and sealed until ready for use. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials (see Section 10 of the SDS).  |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components                        | Type | Value    | Form        |
|-----------------------------------|------|----------|-------------|
| Titanium dioxide (CAS 13463-67-7) | PEL  | 15 mg/m3 | Total dust. |

#### US. ACGIH Threshold Limit Values

| Components                        | Type | Value    |
|-----------------------------------|------|----------|
| Titanium dioxide (CAS 13463-67-7) | TWA  | 10 mg/m3 |

|                                |  |
|--------------------------------|--|
| <b>Biological limit values</b> | No biological exposure limits noted for the ingredient(s). |
|--------------------------------|--|

|  |   |
|--|---|
| <b>Appropriate engineering controls</b>                                      | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Eye/face protection</b>   | Wear safety glasses with side shields (or goggles). Wear face shield if there is risk of splashes.  |
| <b>Skin protection</b>   |   |
| <b>Hand protection</b>   | Wear appropriate chemical resistant gloves. Nitrile, butyl rubber or neoprene gloves are recommended. Other suitable gloves can be recommended by the glove supplier.   |
| <b>Skin protection</b>   |   |
| <b>Other</b>   | Wear suitable protective clothing. Selection of specific items such as boots, apron, or full body suit will depend on task.   |
| <b>Respiratory protection</b>  | In case of insufficient ventilation, wear suitable respiratory equipment. Follow OSHA respirator regulations (29CFR 1910.134) and use NIOSH/MSHA approved respirators. Check with respiratory protective equipment suppliers.   |
| <b>Thermal hazards</b>   | Wear appropriate thermal protective clothing, when necessary.   |
| <b>General hygiene considerations</b>  | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.   |

## 9. Physical and chemical properties

### Appearance

|  |                     |
|--|---------------------|
| <b>Physical state</b>                          | Liquid.             |
| <b>Form</b>                                    | Liquid.             |
| <b>Color</b>                                   | Green.              |
| <b>Odor</b>                                    | Characteristic.     |
| <b>Odor threshold</b>                          | Not available.      |
| <b>pH</b>                                      | Not available.      |
| <b>Melting point/freezing point</b>            | Not available.      |
| <b>Initial boiling point and boiling range</b> | > 212 °F (> 100 °C) |
| <b>Flash point</b>                             | > 212 °F (> 100 °C) |
| <b>Evaporation rate</b>                        | Not available.      |
| <b>Flammability (solid, gas)</b>               | Not applicable.     |

### Upper/lower flammability or explosive limits

|  |                 |
|--|-----------------|
| <b>Explosive limit - lower (%)</b>             | Not available.  |
| <b>Explosive limit - upper (%)</b>             | Not available.  |
| <b>Vapor pressure</b>                          | Not available.  |
| <b>Vapor density</b>                           | Not available.  |
| <b>Relative density</b>                        | 1.05 (Water=1)  |
| <b>Solubility(ies)</b>                         |                 |
| <b>Solubility (water)</b>                      | Not available.  |
| <b>Partition coefficient (n-octanol/water)</b> | Not applicable. |
| <b>Auto-ignition temperature</b>               | Not available.  |
| <b>Decomposition temperature</b>               | Not available.  |
| <b>Viscosity</b>                               | Not available.  |
| <b>Other information</b>                       |                 |
| <b>Explosive properties</b>                    | Not explosive.  |
| <b>Oxidizing properties</b>                    | Not oxidizing.  |

## 10. Stability and reactivity

|                           |   |
|---------------------------|---|
| <b>Reactivity</b>         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b> | Material is stable under normal conditions.   |

|   |  |
|---|--|
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.  |
| <b>Conditions to avoid</b>                | Protect from freezing. Protect against direct sunlight. Contact with incompatible materials.   |
| <b>Incompatible materials</b>             | Strong oxidizing agents.   |
| <b>Hazardous decomposition products</b>   | Decomposition is not expected under normal conditions of use and storage. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Toxic fumes. |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.                     |
| <b>Skin contact</b> | Prolonged skin contact may cause temporary irritation.   |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation. |
| <b>Ingestion</b>    | May cause discomfort if swallowed.                       |

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

#### Acute toxicity

| Components                        | Species | Test Results |
|-----------------------------------|---------|--------------|
| Titanium dioxide (CAS 13463-67-7) |         |              |
| <b>Acute</b>                      |         |              |
| <b>Oral</b>                       |         |              |
| LD50                              | Rat     | > 5000 mg/kg |

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

#### Respiratory or skin sensitization

|                                  |   |
|----------------------------------|---|
| <b>Respiratory sensitization</b> | Not a respiratory sensitizer.                             |
| <b>Skin sensitization</b>        | This product is not expected to cause skin sensitization. |

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Due to the form of the product, exposure to the potentially carcinogenic components is not expected.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Titanium dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

#### NTP Report on Carcinogens

Not listed.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Components   | Species  |                 | Test Results         |
|--|--|-----------------|----------------------|
| Titanium dioxide (CAS 13463-67-7)  |  |                 |                      |
| Aquatic  |  |                 |                      |
| Acute  |  |                 |                      |
| Crustacea  | EC50   | Daphnia magna   | > 100 mg/l, 48 Hours |
| Fish   | LL50   | Oryzias latipes | > 100 mg/l, 96 Hours |
| Persistence and degradability  | No data is available on the degradability of this product.   |                 |                      |
| Bioaccumulative potential  | No data available on bioaccumulation.  |                 |                      |
| Mobility in soil   | No data available for this product.  |                 |                      |
| Other adverse effects  | No data available.   |                 |                      |
| 13. Disposal considerations  |  |                 |                      |
| Disposal instructions  | Collect and reclaim or dispose in sealed containers at licensed waste disposal site.   |                 |                      |
| Local disposal regulations   | Dispose in accordance with all applicable regulations.   |                 |                      |
| Hazardous waste code   | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |                 |                      |
| Waste from residues / unused products                                    | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |                 |                      |
| Contaminated packaging   | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.       |                 |                      |
| 14. Transport information  |  |                 |                      |
| DOT  |  |                 |                      |
| Not regulated as dangerous goods.  |  |                 |                      |
| IATA   |  |                 |                      |
| Not regulated as dangerous goods.  |  |                 |                      |
| IMDG   |  |                 |                      |
| Not regulated as dangerous goods.  |  |                 |                      |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not established.   |                 |                      |
| 15. Regulatory information   |  |                 |                      |
| US federal regulations   | This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.   |                 |                      |
| TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)            |  |                 |                      |
| Not regulated.   |  |                 |                      |
| CERCLA Hazardous Substance List (40 CFR 302.4)                           |  |                 |                      |
| Not listed.  |  |                 |                      |
| SARA 304 Emergency release notification                                  |  |                 |                      |
| Not regulated.   |  |                 |                      |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)           |  |                 |                      |
| Not listed.  |  |                 |                      |
| Toxic Substances Control Act (TSCA)                                      | All components of the mixture on the TSCA 8(b) inventory are designated "active".  |                 |                      |
| Superfund Amendments and Reauthorization Act of 1986 (SARA)              |  |                 |                      |
| SARA 302 Extremely hazardous substance                                   |  |                 |                      |
| Not listed.  |  |                 |                      |
| SARA 311/312 Hazardous chemical  | No   |                 |                      |
| SARA 313 (TRI reporting)   |  |                 |                      |
| Not regulated.   |  |                 |                      |

## Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

### Safe Drinking Water Act (SDWA)

Not regulated.

## US state regulations

### US. Massachusetts RTK - Substance List

Titanium dioxide (CAS 13463-67-7)

### US. New Jersey Worker and Community Right-to-Know Act

Titanium dioxide (CAS 13463-67-7)

### US. Pennsylvania Worker and Community Right-to-Know Law

Titanium dioxide (CAS 13463-67-7)

### US. Rhode Island RTK

Titanium dioxide (CAS 13463-67-7)

### California Proposition 65



**WARNING:** This product can expose you to Titanium dioxide, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### California Proposition 65 - CRT: Listed date/Carcinogenic substance

Titanium dioxide (CAS 13463-67-7)

Listed: September 2, 2011

### US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Titanium dioxide (CAS 13463-67-7)

## International Inventories

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Industrial Chemicals (AICIS)                   | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                             | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

|                     |  |
|---------------------|--|
| Issue date          | 03-September-2021  |
| Revision date       | 18-June-2024   |
| Version #           | B  |
| Further information | B - Safety Glasses, Gloves   |
| HMIS® ratings       | Health: 0<br>Flammability: 1<br>Physical hazard: 0<br>Personal protection: B |

**NFPA ratings****Disclaimer**

ABB Installation Products Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.