1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE & OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER
Code: 613 White, 614 Transparent
Product Name: BioDomus II / Masonry Textured
Chemical Name & Synonym: Mineral Paint Based on Potassium Silicate

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE & USES ADVISED AGAINST
Intended Use: Silicate Emulsion Paint for Interior/Exterior Use

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET
Name: ROMA USA, LLC
Full Address: 3555 Atlanta Industrial Parkway NW
District & Country: Atlanta, GA 30331 | United States of America (USA)
Phone Number: +1 678-905-3700
E-mail address of the competent person responsible for the Safety Data Sheet: info@romabio.com

1.4 EMERGENCY TELEPHONE NUMBER
For Urgent Inquiries Refer To
Call 911 if you have a poison emergency.
Call the CDC if swallowed but person is alert 1-800-222-1222

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE
EC CLASSIFICATION: The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety data sheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

OSHA/HCS STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Any additional information concerning the risks for health and/or the environment are given in sections 11, 12 & 16 of this sheet.

GHS LABEL ELEMENTS
HAZARD PICTOGRAMS

SIGNAL WORD – Warning
The full wording of the hazard (H) and prevention (P) phrases is given in section 16 of the sheet.

2.2 LABEL ELEMENTS
Hazard labeling pursuant to Directives 67/548/EEC and 1999/45/EC and subsequent amendments and supplements.

HAZARD STATEMENTS
H320: Causes eye irritation.
H36: Causes mild skin irritation.

PREVENTION
P102: Keep out of reach of children.
P103: Read label before use.
P280: Wear protective gloves/eye protection.
P264: Wash hands thoroughly after handling.
P235 + P410: Keep cool. Protect from sunlight.

RESPONSE
P301 + 315: IF SWALLOWED: Get immediate medical advice/attention and show this Container or Label.
P313: If skin irritation occurs: Get medical advice/attention.
P305 + P351 + P338 + P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If needed seek medical attention.

STORAGE
P404: Store in a closed container.

DISPOSAL
P501: Dispose of contents and container in accordance with all local, regional, national and international regulations.

2.3 OTHER HAZARDS
Information not available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES
Information not relevant.

3.2 MIXTURES

<table>
<thead>
<tr>
<th>IDENTIFICATION</th>
<th>CONC. %</th>
<th>CLASSIFICATION 67/548/EEC</th>
<th>CLASSIFICATION 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicic Acid, Potassium Salt</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS.: 1312-76-1</td>
<td>10 ≤ x &lt; 40</td>
<td>Xi R36/38</td>
<td>Eye Irrit. 2 H319, Skin Irrit. 2 H315</td>
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<tr>
<td>EC.: 215-199-1</td>
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<td></td>
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<td>Talc</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>CAS.: 14807-96-6</td>
<td>2,5 ≤ x &lt; 3</td>
<td>T+, 4 H332</td>
<td>STOTA SE 3 H335</td>
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<tr>
<td>EC.: 228-877-9</td>
<td>INDEX: -</td>
<td></td>
<td></td>
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<tr>
<td>Titanium Dioxide</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS.: 13463-67-7</td>
<td>12 ≤ x &lt; 13,5</td>
<td>Carc. 2</td>
<td>H351</td>
</tr>
<tr>
<td>INDEX: -</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ti+: Very Toxic (T), T = Toxic(T), Xn = Harmful (Xn), C = Corrosive (C), Xi = Irritant (Xi), O = Oxidizing (O), E = Explosive (E), F+ = Extremely Flammable(F+), F = Highly Flammable(F), N = Dangerous for the Environment (N), Carc. = Carcinogen

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES
No harm to the staff authorized to use has been reported. However, in case of contact, inhalation or ingestion, the following general measures provided for a first aid shall be taken.

INHALATION: Bring subject to the open air. If respiration is difficult, call a doctor immediately.

INGESTION: Consult a doctor immediately. Induce vomiting only as directed by your doctor. Do not give anything by mouth if the subject is unconscious and if not authorized by the doctor.

EYES: Remove any contact lenses. Wash immediately and abundantly with water for at least 15 minutes, opening the eyelids well. Consult a doctor if the problem persists.

SKIN: Remove contaminated clothing. Wash immediately and abundantly with water. If irritation persists, consult a doctor. Wash contaminated garments before reusing them.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED
No episodes of damage to health ascribable to the product have been reported.
4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED
Follow doctor’s orders.

5. FIREFIGHTING MEASURES
5.1 EXTINGUISHING MEDIA
SUITABLE EXTINGUISHING MEDIA: The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and nebulized water.

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS
None in particular.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE
HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE: Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc.).

5.3 ADVICE FOR FIREFIGHTERS
GENERAL INFORMATION: Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: Hardhat with visor, fireproof clothing (fireproof jacket and trousers with straps around arms, legs and waist), work gloves (fireproof, cut proof and anti-static), a depressurized mask with facemask covering the whole of the operator’s face or a self-respirator (self-protector) in the event of large quantities of smoke.

6. ACCIDENTAL RELEASE MEASURES
6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES
Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. If there are no contraindications, spray solid products with water to prevent the formation of dust. Use breathing equipment if fumes or powders are released into the air. Block the leakage if there is no hazard. Do not handle damaged containers or the leaked product before donning appropriate protective gear. For information on risks for the environmental and health, respiratory tract protection, ventilation and personal protection equipment, see the other sections of this sheet. These indications apply for both processing staff and those involved in emergency procedures.

6.2 ENVIRONMENTAL PRECAUTIONS
The product must not penetrate the sewers, surface water, ground water and neighboring areas.

6.3 METHODS & MATERIAL FOR CONTAINMENT & CLEANING UP
Use inert absorbent material (sand, vermiculite, diatomaceous earth, etc.) to soak up leaked product. Collect the majority of the remaining material and deposit it in containers for disposal. If there are no contraindications, use jets of water to eliminate product residues. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4 REFERENCE TO OTHER SECTIONS
Any information on personal protection and disposal is given in sections 8 and 13.

7. HANDLING & STORAGE
7.1 PRECAUTIONS FOR SAFE HANDLING
Handle the product after consultation with all other sections of this SDS. Avoid dispersion of the product in the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before accessing the areas where you eat.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
Store in a well-ventilated place; keep far away from sources of heat, bright flames and sparks and other sources of ignition. Keep only in the original container. Store closed containers in a well-ventilated area away from direct sunlight. Keep containers away from incompatible materials. See section 10.

7.3 SPECIFIC END USE(S)
Information not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 CONTROL PARAMETERS
Regulatory References: None noted.

8.2 EXPOSURE CONTROLS
As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration or bad air vent. If such operations do not make it possible to keep the concentration of the product below the permitted workplace exposure thresholds a suitable respiratory tract protection must be used. See product label for hazard details during use. Personal protection equipment must comply with the rules in force indicated below.

HANDLING PROTECTION
Protect hands with category I (ref. Directive 89/686/EEC and standard EN 374) work gloves, such as those in PVC, neoprene, nitrile or equivalent. The following should be considered when choosing work glove material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be unpredictable. Gloves’ limit depends on the duration of exposure.

EYE PROTECTION
Wear protective airtight goggles (ref. Standard EN 166).

SKIN PROTECTION

RESPIRATORY PROTECTION
If the threshold value (eg TLV-TWA) of the substance, or one or more of the substances present in the product is exceeded, it is advisable to wear a mask with type B filter whose class (1, 2 or 3) which must be chosen according to the limit concentration of use, (see standard EN 14387). If there are gases or vapors of a different nature and / or gases or vapors with particles (aerosols, fumes, mists, etc.), combined filters must be provided.

The use of means of protection of the respiratory tract is necessary if the technical measures adopted are not sufficient to limit the exposure of the worker to the threshold values taken into consideration. However, the protection offered by the masks is limited.

In the event that the substance considered is odorless or its olfactory threshold is higher than the relative TLV-TWA and in the event of an emergency, wear an open circuit compressed air breathing apparatus (see standard EN 137) or a respirator.

The use of respiratory tract protection equipment, such as masks like that indicated above, is necessary to reduce worker exposure in the absence of technical measures. The protection provided by masks is in any case limited.

9. PHYSICAL & CHEMICAL PROPERTIES
9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Color Palette</td>
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<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>–</td>
</tr>
<tr>
<td>pH</td>
<td>9.8 WB / 11.3 TB</td>
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<tr>
<td>Melting Or Freezing Point</td>
<td>–</td>
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<tr>
<td>Initial Boiling Point</td>
<td>–</td>
</tr>
<tr>
<td>Boiling Range</td>
<td>–</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 93°C</td>
</tr>
</tbody>
</table>
## 1. INFORMATION ON NON-TOXICOLOGICAL EFFECTS

- **Evaporation Rate**
- **Flammability Of Solids And Gases**
- **Lower Inflammability Limit**
- **Upper Inflammability Limit**
- **Lower Explosive Limit**
- **Upper Explosive Limit**
- **Vapor Pressure**
- **Vapor Density**
- **Specific Gravity**
- **Solubility**
- **Partition Coefficient: N-Octanol/Water**
- **Ignition Temperature**
- **Decomposition Temperature**
- **Viscosity**
- **Reactive Properties**

### 9.2 OTHER INFORMATION

VOC (Directive 2004/42/EC): <0.01 g/l Undiluted

Using ROMABIO tints:
- Maximum VOC for White Base tinted, Undiluted: 0.52 g/l
- Maximum VOC for White Base tinted, Diluted 25% with water: 0.39 g/l
- Maximum VOC for Transparent Base tinted, Undiluted: 0.95 g/l
- Maximum VOC for Transparent Base tinted, Diluted 25% with water: 0.72 g/l

### 10. STABILITY & REACTIVITY

#### 10.1 REACTIVITY
There are no particular risks of reaction with other substances in normal conditions of use.

**CALCIUM CARBONATE:** Decomposes at temperatures above 800°C.

#### 10.2 CHEMICAL STABILITY
The product is stable in normal conditions of use and storage.

#### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS
No hazardous reactions are foreseeable in normal conditions of use and storage.

#### 10.4 CONDITIONS TO AVOID
None in particular, however the usual precautions used for chemical products should be respected.

#### 10.5 INCOMPATIBLE MATERIALS
**CALCIUM CARBONATE:** Acids

#### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS
In the event of thermal decomposition or fire, vapors potentially dangerous to health may be released.

**CALCIUM CARBONATE:** Calcium Oxides, Carbon Oxides.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS
According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

#### 11.2 ACUTE TOXICITY

**SILICIC ACID, POTASSIUM SALT**
LD50 (Oral): > 2000 mg/kg Rat

**CALCIUM CARBONATE**
LD50 (Oral): 6450 mg/kg Rat

**TITANIUM DIOXIDE**
LD50 (Oral): > 10000 mg/kg Rat

#### 11.3 IRRITANT AND CORROSIVE EFFECTS
If swallowed, it may cause mouth, throat and esophagus burns, sickness, diarrhea, edema, larynx swelling and, consequently, asphyxia. Perforation of the gastrointestinal tract is also possible.

#### 11.4 RESPIRATORY OR CUTANEOUS SENSITIZATION
Causes mild skin irritation. Category 3

#### 11.5 SPECIFIC TARGET ORGAN TOXICITY
Does not meet the classification criteria for this hazard class.

#### 11.6 ASPIRATION HAZARD
Does not meet the classification criteria for this hazard class.

#### 11.7 CMR EFFECTS (CARCINOGENICITY, MUTAGENICITY AND TOXICITY FOR REPRODUCTION)
Does not meet the classification criteria for this hazard class.

#### 11.8 PRACTICAL EXPERIENCE

**Other Observations:**
Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

#### 11.9 OVERALL ASSESSMENT ON CMR PROPERTIES
The components in this formulation do not meet the criteria for classification as CMR category 1 or 2.

There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and has not been classified.

### 12. ECOLOGICAL INFORMATION

#### 12.1 TOXICITY
Handle it according to good working practices. Avoid littering. Do not contaminate soil, sewers and waterways. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

#### 12.2 PERSISTENCE & DEGRADABILITY

**TALC**
Solubility in water < 0,1 mg/l

**TITANIUM DIOXIDE**
Solubility in water < 0,001 mg/l

#### 12.3 BIOACCUMULATIVE POTENTIAL
Information not available.

#### 12.4 MOBILITY IN SOIL
Information not available.

#### 12.5 RESULTS OF PBT & vPvB ASSESSMENT
Based on the available data, the product does not contain PBT or vPvB substances in percentages greater than 0.1%.

#### 12.6 OTHER ADVERSE EFFECTS
Information not available.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 WASTE TREATMENT METHODS
Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations.

**CONTAMINATED PACKAGING:** Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.
14. TRANSPORT INFORMATION
The product is not dangerous under current provisions of the Code of
International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the
International Maritime Dangerous Goods Code (IMDG), and of the International
Air Transport Association (IATA) regulations.

14.1 TRANSPORT IN BULK ACCORDING TO ANNEX II OF
MARPOL73/78 AND THE IBC CODE.

15. REGULATORY INFORMATION
15.1 SEVESO CATEGORY: Directive 2012/18/CE: None
Restrictions relating to the product or contained substances pursuant to Annex
XVII to EC Regulation 1907/2006. None

15.2 SUBSTANCES IN CANDIDATE LIST (ART. 59 REACH):
Based on the available data, the product does not contain SVHC substances in
percentages greater than 0.1%.

15.3 SUBSTANCES SUBJECT TO AUTHORIZATION (ANNEX XIV
REACH):
None

15.4 STATE RIGHT TO KNOW LAWS:
California Prop. 65 Components: This product does not contain chemicals in the
California Prop. 65 Components List.

15.5 HEALTHCARE CONTROLS:
Workers exposed to this chemical agent must undergo health checks, provided
that available risk-assessment data prove that the risks related to the workers’
health and safety are modest and that the 98/24/EC directive is respected.

15.6 VOC (DIRECTIVE 2004/42/EC):
Opaque interior/exterior paint for drywall & masonry. VOC given in g/liter of
product in a ready-to-use condition.
VOC OF PRODUCT: 0.00 g/l
LIMIT VALUE: 40.00 g/l (2010)

15.7 CHEMICAL SAFETY ASSESSMENT
No chemical safety assessment has been processed for the mixture and the
substances it contains.

16. OTHER INFORMATION
Text of hazard (H) indications mentioned in section 2 – 3 of the sheet
H320: Causes eye irritation. Category 2B
H316: Causes mild skin irritation. Category 3

Text of prevention (P) phrases mentioned in section 2 – 3 of the sheet:
P102: Keep out of reach of children.
P103: Read label before use.
P235 + P410: Keep cool. Protect from sunlight.
P301 + 315: IF SWALLOWED: Get immediate medical advice/attention and show
this Container or Label.
P313: IF skin irritation occurs: Get medical advice/attention.
P310: IF IN EYES: Rinse cautiously with water for several
minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If
needed seek medical attention.
P404: Store in a closed container.
P501: Dispose of contents and container in accordance with all local, regional,
national and international regulations.

16.1 LEGEND
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE30: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- Ems: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50% of the population subject to test
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNCE: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by
  train
- TB: Transparent Base
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of
  occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WB: White Base
- Wgk: Water hazard classes (German).

16.2 GENERAL BIBLIOGRAPHY
12. Regulation (EU) 2016/1179 (IX Atp CLP)
13. Regulation (EU) 2017/776 (X Atp CLP) Handling Chemical Safet
14. The Merck Index. – 10th Edition
15. Niosh – Registry of Toxic Effects of Chemical Substances
16. INRS – Fiche Toxicologique (Toxicological Sheet)
17. Patty – Industrial Hygiene & Toxicology
19. ECHA website
20. American National Standard for Hazardous Industrial Chemicals -
Precautionary Labeling (ANSI Z129.1-2000).
Preparation (ANSI Z400.1-2004).
22. Health Canada GHS Website: www.healthcanada.ca/ghs;
23. Globally Harmonized System of Classification and Labelling of Chemicals
(GHS) (“The Purple Book”), United Nations, 2005 First Revised Edition,
available at www.unece.org/trans/danger/publi/ghs/ghs_rev01/01files_e.
html or from United Nations Publications (publications@un.org)
NOTE FOR USERS
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.