

Safety Data Sheet



Revision Date: 2/26/2019

Supersedes: NA

Version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product Identifier

Product Name: DETECTOR PAINT BC-621

Project Number: 147379 Rev. 1

Synonyms: Acrylic Latex Paint

1.2. Intended Use of the Product

Use of the substance/mixture: Specialized paint applications.

1.3. Name, Address, and Telephone of the Responsible Party

Company

Saint-Gobain Crystals and Detectors

17900 Great Lakes Parkway

Hiram, OH 44234-9681

United States

www.crystals.saint-gobain.com

440-834-5600

1.4. Emergency Telephone Number

Emergency Number

1-800-424-9300 ChemTrec

703-525-3887 ChemTrec Outside U.S.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

This product is not classified as hazardous under GHS (Global Harmonization System) Criteria or OSHA Hazard Communication Standard (29 CF 1910.1200).

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)

None

Required.

Signal Word (GHS-US)

NA

Precautionary Statements (GHS-US)

P102 - Keep out of reach of children.

P201- Obtain special instructions before use.

P264 - Wash hands, forearms, and exposed areas thoroughly after handling.

2.3. Other Hazards

Other Hazards Not Contributing to the Classification:

This product is not identified as a PBT/vPvB Substance.

2.4. Unknown Acute Toxicity (GHS-US)

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Ammonium Hydroxide	(CAS No) 1336-21-6	<1%	Skin Irrit., 1B, H314 STOT SE, 3, H335 Aq. Acute, 1, H400

Name	Product identifier	%	Classification (GHS-US)

There are no additional ingredients present which in the concentrations applicable, are classified as hazardous to health thus requiring reporting in this section.

Full text of H-phrases: see section 16

Non-Hazardous Ingredients	Product identifier	% Range	
Acrylic Polymers	(CAS No) Proprietary	2 - 15	
Kaolin	(CAS No) 1332-58-7	0 - 5	
Titanium Dioxide	(CAS No) 13463-67-7	15 - 25	
Hydrocarbon Oil	(CAS No) Proprietary	0-5	
Fatty Acid Esters	(CAS No) Proprietary	0-5	
Glycerols/ Glycols	(CAS No) Proprietary	0-5	
Surfactants	(CAS No) Proprietary	0-S	
Water	(CAS No) 7732-18-5	50 - 75	

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: Seek medical advice if concerned.

First-aid Measures After Skin Contact: Remove contaminated clothing. Wash immediately with plenty of soap and water.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. If irritation still persists, obtain medical attention.

First-aid Measures After Ingestion: Rinse mouth with plenty of water. Do NOT induce vomiting.

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

Symptoms/Injuries: No serious injuries are expected.

Symptoms/Injuries After Inhalation: Not expected to be a route of entry. Therefore, no adverse symptoms expected.

Symptoms/Injuries After Skin Contact: There may be mild irritation at the site of contact.

Symptoms/Injuries After Eye Contact: May cause irritation and redness.

Symptoms/Injuries After Ingestion: There may be irritation of throat.

Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting due to frequent scrubbing of the skin.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container, SDS or label at hand.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Dry chemical, carbon dioxide, water spray, fog, foam.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising from the Substance or Mixture

Fire/ Explosion Hazard: Closed containers may explode due to buildup of pressure when exposed to extreme heat.

Reactivity: Stable.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers and keeping pressure from building up in containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other information: Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not get in eyes, on skin, or on clothing. Do NOT breathe (dust, vapor, mist, gas).

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Eliminate ignition sources. Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

6.2. Environmental Precautions

Do not allow to enter drains or water courses. Avoid release to the environment.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Turn containers leak-side-up to prevent the escape of liquid.

Methods for Cleaning Up: Absorb all leaked materials into oil dri, sand or other inert material and dispose of waste in an appropriate manner.

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

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions Store in a dry, cool and well-ventilated place. Keep containers tightly closed.

Store in original containers or plastic container with appropriate labeling.

Keep away from children.

Incompatible Products: None known.

Prohibitions on mixed storage: None.

7.3. Specific End Use(s)

Various end uses.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Ammonia has a TLV of 25 ppm. No Occupational Exposure Limits (OELs) have been established for any other of the components of this product, however, it is good industrial hygiene practice to use the nuisance dust exposure limits (PEL 15 mg/m³ & TLV 10 mg/m³) when no other exposure limits are available especially for prep work.

8.2. Exposure Controls

Appropriate Engineering Controls	: Ensure all national/local regulations are observed. Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Personal Protective Equipment	: Insufficient ventilation: wear respiratory protection. Protective clothing. Gloves. Safety Glasses
Materials for Protective Clothing	: Chemically resistant materials and fabrics.
Hand Protection	: Wear chemically resistant protective gloves.
Eye Protection	: Chemical goggles or safety glasses.
Skin and Body Protection	: Wear suitable protective clothing.

Respiratory Protection

Not expected to be necessary for brush applications. Use a NIOSH-approved respirator for spray applications and whenever exposure may exceed established Occupational Exposure Limits. Respiratory protection may also be needed for prep work for painting.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	Liquid
Appearance	Viscous Liquid
Color	Various Colors
Odor	Perceptible (Possible Ammonia Odor)
Odor Threshold	No data available
pH	Approx. 8 - 9
Melting Point	No data available
Freezing Point	No data available
Boiling Point	No data available
Flash Point	>100 Degrees C
VOC g/l	Max 1
Viscosity	Highly Viscous
Flammability (solid, gas)	No data available
Specific Gravity	Not determined
Solubility	Soluble in Water

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

- 10.1 **Reactivity:** Stable under recommended transport or storage condition s.
- 10.2 **Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3 **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4 **Conditions to Avoid:** High Temperatures.
- 10.5 **Incompatible Materials:** Strong Oxidizing Agents. Strong Acids
- 10.6 **Hazardous Decomposition Products:** Carbon oxides (CO, CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: None known for product.

Ammonia (7664-41-7)

LOS0 Oral Rat	350 mg/kg
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Other Symptoms after exposure: No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General No data available.

12.2. Persistence and Degradability

Biodegradable.

12.3. Bio accumulative Potential

No Bioaccumulation Potential.

12.4. Mobility in Soil

Readily Absorbed into Soil.

12.5. Other Adverse Effects

Negligible Eco toxicity.

Other Information

This product nor any of its components are identified as a PBT/vPvB Substance.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations. U.S. EPA regulations for the classification determination are listed in 40 CFR 261.3.

Product as purchased would not be considered a RCRA Hazard Waste.

Have product incinerated at an approved facility.

Partially full containers in which the contents have dried up completely can be disposed of with normal waste.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT Not regulated for transport.

Freight Code (NMFC): 149980 Paint and Related Material

Class: 55

14.2 In Accordance with IMDG Not regulated for transport

14.3 In Accordance with IATA Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

DETECTOR PAINT

SARA Section 311/312 Hazard Classes	None
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SARA Title III, Section 313.

None known.

SECTION 16: OTHER INFORMATION

Revision date 02/26/2019

Other Information This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Skin Irrit. 18	Skin corrosion/irritation Category 1B
STOT RE 3	Specific target organ toxicity (respiratory system) single exposure Category 3
H314	Causes severe skin burns and eye damage
H335	May cause respiratory irritation
H400	Very toxic to aquatic life

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.

SDS US (GHS HazCom)