

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** 1245A AcryShield Exterior Low Sheen Enamel (-121, -222, -333, -555)

**Other means of identification**

**Product code** 1245A (-121, -222, -333, -555), 1245A-1, 1245A-3, 1245A-5

**Recommended use** Architectural Coating

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Company name** Kelly-Moore Paint Co., Inc.

**Address** 1390 El Camino Real, Third Floor  
San Carlos, CA 94070, USA

**Email** TAlvarez@kellymoore.com

**Contact person** Tiffany Alvarez Gonda

**Telephone** 1-800-874-4436

**Emergency telephone** CHEMTREC: 1-800-424-9300

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Sensitization, skin Category 1

Carcinogenicity (inhalation) Category 2

**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 3

Hazardous to the aquatic environment, long-term hazard Category 3

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Warning

**Hazard statement** May cause an allergic skin reaction. Suspected of causing cancer by inhalation. Harmful to aquatic life with long lasting effects.

**Precautionary statement**

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist/vapors. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

**Response** If on skin: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Storage** Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**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 | < 24  |
| Silicon dioxide, crystalline silica-free | 7631-86-9  | < 5   |
| Aluminum hydroxide                       | 21645-51-2 | < 2   |
| Diphenyl ketone                          | 119-61-9   | < 0.5 |
| Diuron                                   | 330-54-1   | < 0.5 |
| 2-Methyl-2H-isothiazol-3-one             | 2682-20-4  | < 0.1 |
| 5-Chloro-2-methyl-2H-isothiazol-3-one    | 26172-55-4 | < 0.1 |

All concentrations are in percent by weight (kg) unless ingredient is a gas. Gas concentrations are in percent by volume (l).

#### 4. First-aid measures

|   |  |
|---|--|
| <b>Inhalation</b>   | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.                        |
| <b>Skin contact</b>   | Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. |
| <b>Eye contact</b>  | Rinse with water. Get medical attention if irritation develops and persists.   |
| <b>Ingestion</b>  | Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.  |
| <b>Most important symptoms/effects, acute and delayed</b>                     | May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.   |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.   |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.                        |

#### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Extinguish with foam, carbon dioxide, dry powder or water fog.  |
| <b>Unsuitable extinguishing media</b>                                | None known.   |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.   |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool.   |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.  |
| <b>General fire hazards</b>  | No unusual fire or explosion hazards noted.   |

#### 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.   |
| <b>Methods and materials for containment and cleaning up</b>               | 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.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS. |
| <b>Environmental precautions</b>   | Avoid discharge into drains, water courses or onto the ground.  |

## 7. Handling and storage

### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### U.S. - OSHA Components

| Components   | Type | Value                |
|--|------|----------------------|
| Silicon dioxide, crystalline silica-free (CAS 7631-86-9) | TWA  | 80 mg/m <sup>3</sup> |

#### 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/m <sup>3</sup> | Total dust. |

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

| Components   | Type | Value                | Form                 |
|--|------|----------------------|----------------------|
| Silicon dioxide, crystalline silica-free (CAS 7631-86-9) | TWA  | 5 mg/m <sup>3</sup>  | Respirable fraction. |
|  |      | 15 mg/m <sup>3</sup> | Total dust.          |
|  |      | 20 mppcf             |                      |

#### US. ACGIH Threshold Limit Values

| Components                          | Type | Value                | Form                 |
|-------------------------------------|------|----------------------|----------------------|
| Aluminum hydroxide (CAS 21645-51-2) | TWA  | 1 mg/m <sup>3</sup>  | Respirable fraction. |
| Diuron (CAS 330-54-1)               | TWA  | 10 mg/m <sup>3</sup> |                      |
| Titanium dioxide (CAS 13463-67-7)   | TWA  | 10 mg/m <sup>3</sup> |                      |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components   | Type | Value                |
|--|------|----------------------|
| Diuron (CAS 330-54-1)                                    | TWA  | 10 mg/m <sup>3</sup> |
| Silicon dioxide, crystalline silica-free (CAS 7631-86-9) | TWA  | 6 mg/m <sup>3</sup>  |

#### US. Workplace Environmental Exposure Level (WEEL) Guides

| Components                     | Type | Value                 |
|--------------------------------|------|-----------------------|
| Diphenyl ketone (CAS 119-61-9) | TWA  | 0.5 mg/m <sup>3</sup> |

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

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.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear safety glasses with side shields (or goggles).

#### Skin protection

##### Hand protection

Wear appropriate chemical resistant gloves.

#### Skin protection

##### Other

Wear appropriate chemical resistant clothing.

#### Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

|                                       |   |
|---------------------------------------|---|
| <b>Thermal hazards</b>                | Wear appropriate thermal protective clothing, when necessary.   |
| <b>General hygiene considerations</b> | Observe any medical surveillance requirements. 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. Contaminated work clothing should not be allowed out of the workplace. |

## 9. Physical and chemical properties

|   |                                |
|---|--------------------------------|
| <b>Appearance</b>                                   | Milky white to colored liquid. |
| <b>Physical state</b>                               | Liquid.                        |
| <b>Form</b>   | Liquid.                        |
| <b>Color</b>  | Various.                       |
| <b>Odor</b>   | Slightly ammoniacal.           |
| <b>Odor threshold</b>                               | Not available.                 |
| <b>pH</b>   | 7 - 10                         |
| <b>Melting point/freezing point</b>                 | Not available.                 |
| <b>Initial boiling point and boiling range</b>      | Not available.                 |
| <b>Flash point</b>                                  | Not available.                 |
| <b>Evaporation rate</b>                             | < 1 (n-BuAc=1)                 |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                |
| <b>Upper/lower flammability or explosive limits</b> |                                |
| <b>Explosive limit - lower (%)</b>                  | Not available.                 |
| <b>Explosive limit - upper (%)</b>                  | Not available.                 |
| <b>Vapor pressure</b>                               | Not available.                 |
| <b>Vapor density</b>                                | > 1 (Air=1)                    |
| <b>Relative density</b>                             | Not available.                 |
| <b>Solubility(ies)</b>                              |                                |
| <b>Solubility (water)</b>                           | Moderately soluble             |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                 |
| <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.                 |
| <b>VOC</b>  | 46.99 - 49.76 g/L              |

## 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>                | Contact with incompatible materials.  |
| <b>Incompatible materials</b>             | Strong oxidizing agents. Strong acids.  |
| <b>Hazardous decomposition products</b>   | Carbon oxides. Metal oxides.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | May cause cancer by inhalation.                          |
| <b>Skin contact</b> | May cause an allergic skin reaction.                     |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation. |

**Ingestion** May cause discomfort if swallowed.  
**Symptoms related to the physical, chemical and toxicological characteristics** May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.

**Information on toxicological effects**

**Acute toxicity** Not expected to be acutely toxic.

| Components | Species | Test Results |
|------------|---------|--------------|
|------------|---------|--------------|

Aluminum hydroxide (CAS 21645-51-2)

**Acute**

**Oral**

|      |     |              |
|------|-----|--------------|
| LD50 | Rat | > 5000 mg/kg |
|------|-----|--------------|

Silicon dioxide, crystalline silica-free (CAS 7631-86-9)

**Acute**

**Dermal**

|      |        |                        |
|------|--------|------------------------|
| LD50 | Rabbit | > 5000 mg/kg, 24 Hours |
|------|--------|------------------------|

**Inhalation**

*Dust*

|      |     |                      |
|------|-----|----------------------|
| LC50 | Rat | > 0.14 mg/l, 4 Hours |
|------|-----|----------------------|

**Oral**

|      |     |              |
|------|-----|--------------|
| LD50 | Rat | > 3300 mg/kg |
|------|-----|--------------|

Titanium dioxide (CAS 13463-67-7)

**Acute**

**Oral**

|      |     |              |
|------|-----|--------------|
| 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**

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** May cause an allergic skin reaction.

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

**Carcinogenicity** May cause cancer by inhalation. The carcinogenic effect is caused by inhalation of dust particles.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

|  |   |
|--|---|
| Diphenyl ketone (CAS 119-61-9)                           | 2B Possibly carcinogenic to humans.                 |
| Silicon dioxide, crystalline silica-free (CAS 7631-86-9) | 3 Not classifiable as to carcinogenicity to humans. |
| 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.

**Chronic effects** Prolonged inhalation may be harmful.

**12. Ecological information**

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

| Components                     | Species |                                      | Test Results                     |
|--------------------------------|---------|--------------------------------------|----------------------------------|
| Diphenyl ketone (CAS 119-61-9) |         |                                      |                                  |
| <b>Aquatic</b>                 |         |                                      |                                  |
| <i>Acute</i>                   |         |                                      |                                  |
| Crustacea                      | EC50    | Water flea (Daphnia magna)           | >= 0.21 - <= 0.37 mg/l, 24 hours |
| Fish                           | LC50    | Fathead minnow (Pimephales promelas) | >= 13.2 - <= 15.3 mg/l, 96 hours |
|                                |         |                                      | >= 5.96 - <= 7.41 mg/l, 7 days   |

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.

**Partition coefficient n-octanol / water (log Kow)**

Diuron (CAS 330-54-1) 2.68

**Mobility in soil** The product is water soluble and may spread in water systems.

**Other adverse effects** None known.

### 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**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 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 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)**

|  |  |
|--|--|
| 2-Methyl-2H-isothiazol-3-one (CAS 2682-20-4)           | 1.0 % One-Time Export Notification only. |
| 5-Chloro-2-methyl-2H-isothiazol-3-one (CAS 26172-55-4) | 1.0 % One-Time Export Notification only. |
| Diphenyl ketone (CAS 119-61-9)                         | 0.1 % One-Time Export Notification only. |

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Diuron (CAS 330-54-1) 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 on the TSCA 8(b) inventory are designated "active" or are exempt from reporting under the Inventory Update Rule.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

#### SARA 311/312 Hazardous chemical

Yes

**Classified hazard categories** Respiratory or skin sensitization  
Carcinogenicity

#### 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)** Contains component(s) regulated under the Safe Drinking Water Act.

### US state regulations

#### US. Massachusetts RTK - Substance List

Diuron (CAS 330-54-1)  
Silicon dioxide, crystalline silica-free (CAS 7631-86-9)  
Titanium dioxide (CAS 13463-67-7)

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

Diuron (CAS 330-54-1)  
Titanium dioxide (CAS 13463-67-7)

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

Diuron (CAS 330-54-1)  
Silicon dioxide, crystalline silica-free (CAS 7631-86-9)  
Titanium dioxide (CAS 13463-67-7)

#### US. Rhode Island RTK

Diuron (CAS 330-54-1)  
Silicon dioxide, crystalline silica-free (CAS 7631-86-9)  
Titanium dioxide (CAS 13463-67-7)

### California Proposition 65



**WARNING:** This product can expose you to chemicals including Ethylene oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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

|   |                           |
|---|---------------------------|
| 1,4-Dioxane (CAS 123-91-1)  | Listed: January 1, 1988   |
| Acetaldehyde (CAS 75-07-0)  | Listed: April 1, 1988     |
| Benzene (CAS 71-43-2)   | Listed: February 27, 1987 |
| Cumene (CAS 98-82-8)  | Listed: April 6, 2010     |
| Dichloromethane (CAS 75-09-2)   | Listed: April 1, 1988     |
| Diphenyl ketone (CAS 119-61-9)  | Listed: June 22, 2012     |
| Diuron (CAS 330-54-1)   | Listed: May 31, 2002      |
| Ethylbenzene (CAS 100-41-4)   | Listed: June 11, 2004     |
| Ethylene oxide (CAS 75-21-8)  | Listed: July 1, 1987      |
| Formaldehyde (CAS 50-00-0)  | Listed: January 1, 1988   |
| Methyloxirane (CAS 75-56-9)   | Listed: October 1, 1988   |
| Siica, Crystalline (airborne particles of respirable size) (CAS 14808-60-7) | Listed: October 1, 1988   |
| Titanium dioxide (CAS 13463-67-7)   | Listed: September 2, 2011 |

#### California Proposition 65 - CRT: Listed date/Developmental toxin

|                              |                           |
|------------------------------|---------------------------|
| Benzene (CAS 71-43-2)        | Listed: December 26, 1997 |
| Ethylene oxide (CAS 75-21-8) | Listed: August 7, 2009    |

Methanol (CAS 67-56-1)

Listed: March 16, 2012

Toluene (CAS 108-88-3)

Listed: January 1, 1991

**California Proposition 65 - CRT: Listed date/Female reproductive toxin**

Ethylene oxide (CAS 75-21-8)

Listed: February 27, 1987

**California Proposition 65 - CRT: Listed date/Male reproductive toxin**

Benzene (CAS 71-43-2)

Listed: December 26, 1997

Ethylene oxide (CAS 75-21-8)

Listed: August 7, 2009

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

Diphenyl ketone (CAS 119-61-9)

Titanium dioxide (CAS 13463-67-7)

**International Inventories**

| <b>Country(s) or region</b> | <b>Inventory name</b>                         | <b>On inventory (yes/no)*</b> |
|-----------------------------|---|-------------------------------|
| 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** 23-November-2020

**Revision date** 06-May-2022

**Version #** 02

**HMIS® ratings** Health: 2\*  
Flammability: 1  
Physical hazard: 0

**Disclaimer** Kelly-Moore Paint Co., 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.