

## 1. Identification

|                                                               |                                                           |                |
|---------------------------------------------------------------|-----------------------------------------------------------|----------------|
| <b>Product identifier</b>                                     | <b>Crystal Silver Pearl</b>                               |                |
| <b>Other means of identification</b>                          |                                                           |                |
| <b>Product Code</b>                                           | MSPX-02-T                                                 |                |
| <b>Recommended use</b>                                        | Automotive Refinish Pearl                                 |                |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |                                                           |                |
| <b>Manufacturer</b>                                           |                                                           |                |
| <b>Company name</b>                                           | Quest Automotive Products                                 |                |
| <b>Address</b>                                                | 600 Nova Drive SE<br>Massillon, OH 44646<br>United States |                |
| <b>Telephone</b>                                              | General Assistance                                        | (330) 830-6000 |
| <b>E-mail</b>                                                 | rpandrus@quest-ap.com                                     |                |
| <b>Contact person</b>                                         | Ron Andrus                                                |                |
| <b>Emergency phone number</b>                                 | CHEMTREC                                                  | (800) 424-9300 |

## 2. Hazard(s) identification

|                              |                                                        |             |
|------------------------------|--------------------------------------------------------|-------------|
| <b>Physical hazards</b>      | Not classified.                                        |             |
| <b>Health hazards</b>        | Germ cell mutagenicity                                 | Category 1B |
|                              | Carcinogenicity                                        | Category 1B |
| <b>Environmental hazards</b> | Hazardous to the aquatic environment, acute hazard     | Category 3  |
|                              | Hazardous to the aquatic environment, long-term hazard | Category 3  |
| <b>OSHA defined hazards</b>  | Not classified.                                        |             |
| <b>Label elements</b>        |                                                        |             |



|                                                  |                                                                                                                                                                                                                                |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Signal word</b>                               | Danger                                                                                                                                                                                                                         |
| <b>Hazard statement</b>                          | May cause genetic defects. May cause cancer. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.                                                                                                       |
| <b>Precautionary statement</b>                   |                                                                                                                                                                                                                                |
| <b>Prevention</b>                                | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. |
| <b>Response</b>                                  | If exposed or concerned: Get medical advice/attention.                                                                                                                                                                         |
| <b>Storage</b>                                   | Store locked up.                                                                                                                                                                                                               |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.                                                                                                                            |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.                                                                                                                                                                                                                    |
| <b>Supplemental information</b>                  | 90% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 90% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.                          |

## 3. Composition/information on ingredients

### Mixtures

| Chemical name                            | Common name and synonyms | CAS number | %         |
|------------------------------------------|--------------------------|------------|-----------|
| aluminum oxide                           |                          | 1344-28-1  | 60 to <70 |
| Titanium dioxide                         |                          | 13463-67-7 | 20 to <30 |
| heavy alkylate naphtha                   |                          | 64741-65-7 | 10 to <20 |
| tin(IV) oxide                            |                          | 18282-10-5 | 1 to <5   |
| Other components below reportable levels |                          |            | 5 to <10  |

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

#### 4. First-aid measures

|                                                                               |                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | Not available.                                                                                                                                                                                                                                                                                            |
| <b>Skin contact</b>                                                           | Wash off with soap and water. Get medical attention if irritation develops and persists.                                                                                                                                                                                                                  |
| <b>Eye contact</b>                                                            | 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> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.                                                                                                                                                                                    |
| <b>General information</b>                                                    | IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. |

#### 5. Fire-fighting measures

|                                                                      |                                                                                               |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Powder. Alcohol resistant foam. Water spray. 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>                    | 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. |
| <b>Fire fighting equipment/instructions</b>                          | Use water spray to cool unopened containers.                                                  |
| <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. 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>               | Stop the flow of material, if this is without risk. Prevent product from entering drains. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.                                                                                                                            |
| <b>Environmental precautions</b>                                           | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.                                                                           |

#### 7. Handling and storage

|                                                                     |                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid prolonged exposure. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store locked up. Store in original tightly closed container. 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                 |
|-----------------------------------------|------|-----------------------|----------------------|
| aluminum oxide (CAS 1344-28-1)          | PEL  | 5 mg/m3               | Respirable fraction. |
| heavy alkylate naphtha (CAS 64741-65-7) | PEL  | 15 mg/m3<br>400 mg/m3 | Total dust.          |
| Titanium dioxide (CAS 13463-67-7)       | PEL  | 100 ppm<br>15 mg/m3   | Total dust.          |

#### US. ACGIH Threshold Limit Values

| Components                        | Type | Value    | Form                 |
|-----------------------------------|------|----------|----------------------|
| aluminum oxide (CAS 1344-28-1)    | TWA  | 1 mg/m3  | Respirable fraction. |
| tin(IV) oxide (CAS 18282-10-5)    | TWA  | 2 mg/m3  |                      |
| Titanium dioxide (CAS 13463-67-7) | TWA  | 10 mg/m3 |                      |

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

| Components                              | Type | Value              |
|-----------------------------------------|------|--------------------|
| heavy alkylate naphtha (CAS 64741-65-7) | TWA  | 400 mg/m3          |
| tin(IV) oxide (CAS 18282-10-5)          | TWA  | 100 ppm<br>2 mg/m3 |

### Biological limit values

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

### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) 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** If contact is likely, safety glasses with side shields are recommended.

#### Skin protection

**Hand protection** For prolonged or repeated skin contact use suitable protective gloves.

**Other** Wear suitable protective clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

### General hygiene considerations

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

**Physical state** Solid.

**Form** Solid.

**Color** Off-white.

**Odor** Solvent.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not Applicable

**Flash point** Not available.

|                                                     |                                                                                          |
|-----------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>Evaporation rate</b>                             | Not available.                                                                           |
| <b>Flammability (solid, gas)</b>                    | Not available.                                                                           |
| <b>Upper/lower flammability or explosive limits</b> |                                                                                          |
| <b>Flammability limit - lower (%)</b>               | Not available.                                                                           |
| <b>Flammability limit - upper (%)</b>               | Not available.                                                                           |
| <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>                             | Not available.                                                                           |
| <b>Solubility(ies)</b>                              |                                                                                          |
| <b>Solubility (water)</b>                           | Not available.                                                                           |
| <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>Density</b>                                      | 22.94 lbs/gal                                                                            |
| <b>Percent volatile</b>                             | 10 %                                                                                     |
| <b>Specific gravity</b>                             | 2.76                                                                                     |
| <b>VOC</b>                                          | 2.3 lbs/gal Regulatory<br>2.3 lbs/gal Material<br>275 g/l Regulatory<br>275 g/l Material |

## 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>             | Acids. Strong oxidizing agents. Chlorine.                                                     |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.                                                |

## 11. Toxicological information

### Information on likely routes of exposure

|                                                                                     |                                                          |
|-------------------------------------------------------------------------------------|----------------------------------------------------------|
| <b>Inhalation</b>                                                                   | Prolonged inhalation may be harmful.                     |
| <b>Skin contact</b>                                                                 | No adverse effects due to skin contact are expected.     |
| <b>Eye contact</b>                                                                  | Direct contact with eyes may cause temporary irritation. |
| <b>Ingestion</b>                                                                    | Expected to be a low ingestion hazard.                   |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Direct contact with eyes may cause temporary irritation. |

### Information on toxicological effects

#### Acute toxicity

| Components                              | Species | Test Results     |
|-----------------------------------------|---------|------------------|
| heavy alkylate naphtha (CAS 64741-65-7) |         |                  |
| <b>Acute</b>                            |         |                  |
| <b>Inhalation</b>                       |         |                  |
| LC50                                    | Rat     | 61 mg/l, 4 Hours |
| <b>Oral</b>                             |         |                  |
| LD50                                    | Rat     | > 25 ml/kg       |

\* Estimates for product may be based on additional component data not shown.

**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** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** May cause genetic defects.

**Carcinogenicity** May cause cancer.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

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

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

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. Prolonged exposure may cause chronic effects.

## 12. Ecological information

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

| Components                              | Species | Test Results                                                           |
|-----------------------------------------|---------|------------------------------------------------------------------------|
| heavy alkylate naphtha (CAS 64741-65-7) |         |                                                                        |
| <b>Aquatic</b>                          |         |                                                                        |
| Crustacea                               | EC50    | Water flea (Daphnia pulex) 2.7 - 5.1 mg/l, 48 hours                    |
| Fish                                    | LC50    | Rainbow trout,donaldson trout (Oncorhynchus mykiss) 8.8 mg/l, 96 hours |
|                                         |         | 8.8 mg/l, 96 hours                                                     |
| Titanium dioxide (CAS 13463-67-7)       |         |                                                                        |
| <b>Aquatic</b>                          |         |                                                                        |
| Crustacea                               | EC50    | Water flea (Daphnia magna) > 1000 mg/l, 48 hours                       |
| Fish                                    | LC50    | Mummichog (Fundulus heteroclitus) > 1000 mg/l, 96 hours                |

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

|                                              |                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b>                 | 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. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                                                                                                                                                   |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.                                                                                                                                                                                                                           |
| <b>Waste from residues / unused products</b> | 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).                                                                                                                         |
| <b>Contaminated packaging</b>                | 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 applicable.

### 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)

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 1910.1001-1050)

Not listed.

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

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** No

#### SARA 313 (TRI reporting)

| Chemical name  | CAS number | % by wt.  |
|----------------|------------|-----------|
| aluminum oxide | 1344-28-1  | 60 to <70 |

#### 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. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

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

heavy alkylate naphtha (CAS 64741-65-7)

Titanium dioxide (CAS 13463-67-7)

### US. Massachusetts RTK - Substance List

aluminum oxide (CAS 1344-28-1)

heavy alkylate naphtha (CAS 64741-65-7)

tin(IV) oxide (CAS 18282-10-5)

Titanium dioxide (CAS 13463-67-7)

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

aluminum oxide (CAS 1344-28-1)

heavy alkylate naphtha (CAS 64741-65-7)

tin(IV) oxide (CAS 18282-10-5)

Titanium dioxide (CAS 13463-67-7)

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

aluminum oxide (CAS 1344-28-1)

heavy alkylate naphtha (CAS 64741-65-7)

Titanium dioxide (CAS 13463-67-7)

### US. Rhode Island RTK

aluminum oxide (CAS 1344-28-1)

### US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

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

Titanium dioxide (CAS 13463-67-7)

Listed: September 2, 2011

## International Inventories

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

\*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    | 05-16-2015                                          |
| Version #     | 01                                                  |
| HMIS® ratings | Health: 1*<br>Flammability: 0<br>Physical hazard: 0 |
| NFPA ratings  | Health: 0<br>Flammability: 0<br>Instability: 0      |

## Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA BELIEVED TO BE RELIABLE AND THE MANUFACTURER DISCLAIMS ANY LIABILITY INCURRED FROM THE USE OR RELIANCE UPON THE SAME. THE INFORMATION GIVEN IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This safety information is not a license to use this material as claimed by any patents of third parties. The user alone must finally determine whether a contemplated use of this material will infringe any such patents, and for obtaining any required licenses.