David O'Toole Art

deeteeoh1138@gmail.com
https://davidotooleart.com

810s Ultra Pumice (Fine)

Information guide with Material Safety Data Sheets, v.205 10.09.2020

Acrylic artists' medium with fine ground pumice and ultrafine hollow glass microspheres. Mix in any proportion with acrylic artist colors to enhance color blending and create thick texture. Dries to a granular concrete-like finish. Ensure adequate ventilation.

Two parts color to one part microsphere gel will thicken paint and enhance color blending. A one-to-one mix will create semi-smooth dimensional paint for heavy textural applications.

This gel dries to a granular, concrete-like finish. The dried film is flexible and will have a matte appearance.

Because pumice granules are off-white, you may wish to add a small amount of titanium white in some situations to improve brightness.

Note: The microspheres in this product are non-toxic and are made of 100% chemically inert glass, but mechanical skin and/or eye irritation can occur with contact. Keep microsphere products out of reach of children and pets. Do not sand, drill, saw, or otherwise abrade dried films, as this may cause dusting. Do not dispose of microspheres in septic or sewer systems. Do not spray apply. Gel is slippery; if spilled, clean up with rags or paper towels and plenty of water. Allow artworks to cure for 5-7 days before varnishing. Varnish with airbrush or spray can only, as brushed varnish can cause clouding. Dried film is flexible, but microsphere gel is not recommended for artworks that will be rolled, as thick areas may crack upon rolling. Contains drying retarder with 2-Methyl-2H-isothiazol-3-0ne, 1,2-benzisothiazol-3(2H)-0ne, which may produce an allergic reaction. This product is 100% free of crystalline silica.

Varnishing

Varnishing microsphere paintings with brushes may cause foaming and clouding due to the texture of the microspheres in dried film; it is recommended to use an airbrush or spray can to varnish all acrylic paintings that employ aggregates. First allow artwork to cure fully for 5-7 days; then use an airbrush to apply two thin coats of one part Liquitex™ Gloss Medium and Varnish to one part Liquitex™ Airbrush Medium. (Similar products can be obtained from Golden Artist Colors™.) If matte varnish is used instead, apply only one coat, or apply one coat of gloss and then one coat of matte. To prepare for Liquitex™ Soluvar™ or another removable final varnish, first follow the above procedure with two coats of gloss medium to provide an isolation coat.

Notes on flexibility and abrasion

Microspheres are not recommended for artworks that will be rolled, as thick areas may crack upon rolling. All aggregate-based acrylic films are susceptible to abrasion, as particles may detach from the surface if scratched.

Material Safety Data Sheets (SDS) Appendix

The remaining pages of this document are the Material Safety Data Sheets for the component materials in David O'Toole Art's 810s Ultra Pumice Gel (Fine).

SAFETY DATA SHEET

Product Name: Pumice
Product Description: Amorphous aluminum silicate

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION, AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance or preparation
Product Names: Pumice

1.2 Other means of identification - Amorphous aluminum silicate

1.3 Use of the substance / preparation – Filler for compounded products or composites

1.4

Company Name:	AGSCO Corporation	Emergency number: 847-520-4455
Address:	160 West Hintz Road	Information number: 847-520-4455
	Wheeling Illinois 60090	Date prepared: November 2014

2. HAZARDS IDENTIFICATION

None (Quartz content below detectable limits of 0.1%)

3. COMPOSITION INFORMATION:

Other principal inert components: **Complex silicates or oxides of AL, K, Na, Fe, Ca, Mg, Ti.**
Chemical Identity, major components: **Amorphous Aluminum Silicate (Al_2O_3)**

$M_XO_Y \bullet SiO_2$ (M=Al, Ca, Mg + other minor metal oxides, with bound amorphous silica (SiO_2)

Common Names: **Pumice, volcanic glass**

HMIS (Hazardous Materials Identification System Ratings – NPCA/CPCA)
Based on hazard rating of 4 = Most severe

Health	**0**
Flammability	**0**
Reactivity	**0**
Personal Protection:	**Use approved dust mask; goggles to prevent eye irritation.**

4. FIRST AID

Material is non-poisonous.
Eyes – Flush with copious amounts of clean water for 15 minutes. If irritation persists, consult a physician.
Inhalation – Blow nose, rinse mouth, drink water to clear throat. Remove to fresh air.

5. FIRE AND EXPLOSION HAZARD DATA

Flash Point:	**N/A**	Flammable Limits:	**N/A**
LEL:	**N/A**	UEL:	**N/A**
Extinguishing Media:	**N/A**		
Special Fire Fighting Procedures:	**N/A**		
Unusual Fire and Explosion Hazards:	**None**		

6. ACCIDENTAL RELEASE

Vacuum all clean spillage. If sweeping is necessary, use a dust suppressant.

7. HANDLING AND STORAGE

Precautions to be taken in handling as storing: **Use techniques that minimize generating dust.**
Other precautions: **Material, when wet, may be slippery on a smooth surface. Use caution.**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: **Use an approved dust mask, such as a particulate filter respirator.**

Ventilation	**Local Exhaust: Recommended**	**Special Other:**
	Mechanical (General): Sweep or vacuum all spills	**Use filter-equipped vacuum to remove dust; Do Not blow off with compressed air.**

Protective Gloves: **Not Required** Eye Protection: **Goggles recommended.**

Other Protective Clothing or Equipment: **Not Required**

Work / Hygienic Practices: **Avoid vigorous shaking of bags.**

Clean clothes with vacuum hose, not by blowing off.

9. PHYSICAL/CHEMICAL PROPERTIES

(N/A = Not Applicable)

Boiling Point:	**N/A**	Specific Gravity	**2.35**
Vapor Pressure (mm Hg.):	**N/A**	Melting Point	**N/A**
Vapor Density : Air = 1)	**N/A**	Evaporation Rate (Butyl Acetate = 1)	**N/A**
Solubility in Water:	**Negligible**	pH	**7.2**

Appearance and Odor: **Off-White Powder. No odor**

10. STABILITY AND REACTIVITY

Stability	**Unstable**	**Conditions to Avoid:**
	Stable X	**No special precautions**

Incompatibility (Materials to Avoid): **No Incompatibility. (Reacts with hydrofluoric acid: soluble in HF)**

Hazardous Decomposition of Byproducts: **May react with hydrofluoric acid to form toxic silicon tetra-flouride gas.**

Hazardous Polymerization	**May Occur**	**Conditions to Avoid:**
	Will Not Occur X	**No special conditions**

11. TOXICOLOGICAL INFORMATION

Classified as Nuisance Dust only.

Route(s) of Entry: Inhalation: **Yes** Skin: **No** Ingestion: **Non-Hazardous**
Carcinogenicity: NTP? **No** IARC Monographs? **Vol. 68 (1997)** OSHA Regulated? **No**

Silica-Group 3. (Not classifiable as to carcinogenicity to humans.)

Signs and Symptoms of Exposure: **In extreme exposures, some congestion may occur.**

Medical conditions which may be aggravated by exposure: **Pre-existing upper respiratory and lung disease such as, but not limited to, Emphysema and Asthma.**

Acute health effects: **Transitory upper respiratory irritant.**

Chronic health effects: **Inhalation of high levels of any nuisance dust over long periods of time may cause lungs to be more vulnerable to pneumoconiosis (lung disease).**

12. ECOLOGICAL INFORMATION

No special considerations.

13. DISPOSAL CONSIDERATIONS

Bury as non-toxic waste in an approved landfill in accordance with all federal, state and local regulations.

14. TRANSPORTATION INFORMATION

Not controlled by IATA and to be considered as non-dangerous goods.

15. REGULATORY INFORMATION

Not regulated.

16. OTHER

EINECS No. 310-127-6
ACID No. 99901E1050
TSCA Inventory: Listed as Pumice (CAS # 1332-09-8)
DSL:Listed as Pumice (CAS # 1332-09-8)
GHS STATEMENT: This product does NOT contain any harmful substances listed in GHS
WHMIS STATEMENT: This product is classified as an UNCONTROLLED product according to WHMIS classification criteria.

REACH Statement: This product is EXEMPT from REACH registration in accordance with section (Substances exempted from registration) of the Guidance for Registration of the REACH regulation. As such, the obligations for downstream users and the provisions on substance and dossier evaluation do not apply.

SAFETY DATA SHEET
LIQUITEX SLOW-DRI MEDIUM

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name LIQUITEX SLOW-DRI MEDIUM

Product number D012165

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Medium for Acrylic Painting

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier
ColArt International Holdings Ltd.
The Studio Building
21 Evesham Street
London
W11 4AJ
United Kingdom
+44 (0)208 424 3200
R.Enquiries@colart.co.uk

Contact person Regulatory Manager

Manufacturer
ColArt International SA
5 Rue Rene Panhard
Z.I .Nord
72021 Le Mans Cedex 2
+33 2 43 83 83 00

1.4. Emergency telephone number

Emergency telephone +44 (0)208 424 3200 This telephone number is available during office hours only 09:00 to 17:00 GMT Language English.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Elicitation - EUH208

Environmental hazards Not Classified

2.2. Label elements

Hazard statements EUH208 Contains 2-Methyl-2H-isothiazol-3-0ne, 1,2-BENZISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

LIQUITEX SLOW-DRI MEDIUM

mono propylene glycol		**30-60%**
CAS number: 57-55-6	EC number: 200-338-0	REACH registration number: 01-2119456809-23-xxxx

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Not Classified	-

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments Any hazardous ingredients are below classification limit.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

Inhalation No specific recommendations. If throat irritation or coughing persists, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.

Ingestion No specific recommendations. If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get medical attention if any discomfort continues.

Skin contact No specific recommendations. Rinse with water. Get medical attention if any discomfort continues.

Eye contact Rinse with water. Get medical attention if any discomfort continues.

Protection of first aiders Use protective equipment appropriate for surrounding materials.

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

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation No specific symptoms known. Spray/mists may cause respiratory tract irritation.

Ingestion No specific symptoms known. May cause discomfort if swallowed.

Skin contact No specific symptoms known. May cause discomfort.

Eye contact No specific symptoms known. May be slightly irritating to eyes.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically.

Specific treatments No special treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up.

LIQUITEX SLOW-DRI MEDIUM

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions No specific recommendations. For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Reuse or recycle products wherever possible. Absorb spillage to prevent material damage. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists.

Advice on general occupational hygiene Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions No specific recommendations.

Storage class Unspecified storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

mono propylene glycol

Long-term exposure limit (8-hour TWA): WEL 150 ppm 474 mg/m³ total vapour and particulates
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate

WEL = Workplace Exposure Limit

LIQUITEX SLOW-DRI MEDIUM

Ingredient comments	OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit.

8.2. Exposure controls

Appropriate engineering controls	No specific ventilation requirements.
Eye/face protection	No specific eye protection required during normal use. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hand protection	No specific hand protection recommended.
Other skin and body protection	No specific recommendations
Hygiene measures	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.
Respiratory protection	No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure controls	Not regarded as dangerous for the environment.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless.
Odour	Mild. Ammonia.
pH	pH (concentrated solution): 8-9
Initial boiling point and range	> 100°C @ 760 mm Hg
Vapour density	> 1
Relative density	1.1 @ 20°C
Solubility(ies)	Miscible with water

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

LIQUITEX SLOW-DRI MEDIUM

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Not regarded as a health hazard under current legislation.

Acute toxicity - oral

Notes (oral LD_{50}) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD_{50}) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC_{50}) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

IARC carcinogenicity None of the ingredients are listed or exempt.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

General information No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

LIQUITEX SLOW-DRI MEDIUM

Inhalation	No specific symptoms known. Spray/mists may cause respiratory tract irritation.
Ingestion	No specific symptoms known. May cause discomfort if swallowed.
Skin contact	No specific symptoms known. May cause discomfort.
Eye contact	No specific symptoms known. May be slightly irritating to eyes.
Acute and chronic health hazards	No specific health hazards known.
Route of entry	Ingestion Inhalation Skin and/or eye contact
Target organs	No specific target organs known.
Medical symptoms	Irritation of eyes and mucous membranes.

SECTION 12: Ecological Information

Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Toxicity	Based on available data the classification criteria are not met.
Acute toxicity - fish	Not determined.
Acute toxicity - aquatic invertebrates	Not determined.
Acute toxicity - aquatic plants	Not determined.
Acute toxicity - microorganisms	Not determined.

12.2. Persistence and degradability

Persistence and degradability	The degradability of the product is not known.

12.3. Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.

12.4. Mobility in soil

Mobility	No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects	None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

LIQUITEX SLOW-DRI MEDIUM

Waste class	08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances

SECTION 14: Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.
EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 453/2010 of 20 May 2010. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Dangerous Preparations Directive 1999/45/EC. Dangerous Substances Directive 67/548/EEC.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

LIQUITEX SLOW-DRI MEDIUM

Training advice	Read and follow manufacturer's recommendations.
Revision date	31/07/2015
Revision	5
Supersedes date	14/07/2015
Risk phrases in full	Not classified. R20 Harmful by inhalation. R36 Irritating to eyes. R36/38 Irritating to eyes and skin. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard statements in full	EUH208 Contains 2-Methyl-2H-isothiazol-3-0ne, 1,2-BENZISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.