

WHMIS

- Damage, Eye Irritation - Category 2A, Carcinogenicity - Category 1A
- Class B - Flammable and Combustible Materials - Division 3, Class D - Poisonous and Infectious Materials - Division 2 - Subdivision A, Class D - Poisonous and Infectious Materials - Division 2 - Subdivision B



GHS

- R65, R25, R36/37/38, R45
- Flammable Liquids - Category 3, Skin Corrosion/Irritation - Category 2, Serious Eye Damage, Eye Irritation - Category 2A, Carcinogenicity - Category 1A

Route Of Entry

- Inhalation, Skin, Eye, Ingestion/Oral

Potential Health Effects

Inhalation

Acute (Immediate)

- May cause irritation. Excessive breathing of high vapor concentration can cause possible unconsciousness and even asphyxiation.

Chronic (Delayed)

- Refer to other information found in Section 11-Toxicology.

Skin

Acute (Immediate)

- May cause irritation.

Chronic (Delayed)

- Repeated and prolonged exposure may be harmful. Repeated and prolonged exposure to the skin may cause dermatitis.

Eye

Acute (Immediate)

- May cause irritation. Likely to cause eye irritation, burning, tearing, etc. on contact with the eyes. If swelling and irritation persist, seek medical attention.

Chronic (Delayed)

- Repeated and prolonged exposure may cause irritation.

Ingestion

Acute (Immediate)

- May be harmful or fatal if swallowed.

Chronic (Delayed)

- Repeated and prolonged exposure may be harmful.

Carcinogenic Effects			
	CAS	IARC	NTP
Asphalt	8052-42-4	Group 2B-Possible Carcinogen	Under Consideration

Section 3 - Composition/Information on Ingredients

Hazardous Components						
Chemical Name	CAS	%(wt)	UN;EINECS	LD50/LC50	Classifications According to Regulation/Directive	Other
Mineral Spirits	8052-41-3	30% TO 45%	232-489-3		Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65	NDA
Asphalt	8052-42-4	30% TO 40%	NA1999, 232-490-9	Ingestion/Oral-Rat LD50 · >5000 mg/kg Inhalation-Rat LC50 · >94.4 mg/m ³	WHMIS: Other Toxic Effects - D2AUN GHS: Carc. 2; Eye Irrit. 2A; Skin Irrit. 2	NDA
Aluminum	7429-90-5	5% TO 10%	231-072-3		Water React. UN GHS: Pyr. Sol. 1; Water-react. 2	NDA
Perlite	130885-09-5	5% TO 10%			WHMIS: Other Toxic Effects - D2B UN GHS: Eye Irrit. 2A; Skin Irrit. 2	NDA

Hazardous Components						
Chemical Name	CAS	%(wt)	UN;EINECS	LD50/LC50	Classifications According to Regulation/Directive	Other
1,2,4-Trimethylbenzene	95-63-6	1% TO 5%	202-436-9	Ingestion/Oral-Rat LD50 · 5 g/kg	R10 Xn; R20 Xi; R36/37/38 N; R51 R53	NDA
Benzene, 1,3,5-trimethyl	108-67-8	1% TO 5%	UN2325, 203-604-4		R10 Xi; R37 N; R51 R53	NDA
Cellulose	9004-34-6	1% TO 5%	232-674-9	Ingestion/Oral-Rat LD50 · >5 g/kg Inhalation-Rat LC50 · >5800 mg/m ³ 4 Hour(s)	WHMIS: Other Toxic Effects - D2B UN GHS: Eye Irrit. 2A; Skin Irrit. 2	NDA
Solvent naphtha (petroleum), light aromatic	64742-95-6	0.1% TO 5%	265-199-0	Ingestion/Oral-Rat LD50 · 8400 mg/kg	UN GHS: Asp. Tox. 1; Carc. 1B Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65	NDA

This product is an encapsulated mixture which reduces the likelihood of exposure to hazardous particulates. Airborne exposures to hazardous dusts or mists may be generated by spraying, sanding or grinding.

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

- Inhalation**
 - Move victim to fresh air. If signs/symptoms continue, get medical attention. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
- Skin**
 - Immediately flush skin with soap and plenty of water. Call a physician if symptoms occur. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.
- Eye**
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Ingestion**
 - If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
- Notes to Physician**
 - Aspiration of liquid into the lungs during swallowing or vomiting can cause lung inflammation, serious lung damage and even death from chemical pneumonitis.

Section 5 - Fire Fighting Measures

- Extinguishing Media**
 - LARGE FIRE: Water spray, fog or regular foam.
 - SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.
- Unsuitable Extinguishing Media**
 - Do not use direct water stream as it may splatter the burning product.
- Firefighting Procedures**
 - Fight advanced or massive fires from safe distance or protected location. Avoid water in a straight hose stream as the stream will cause splatter and spread fire. If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release.
- Unusual Fire and Explosion Hazards**
 - Combustible liquid. Containers may explode when heated. May release irritating or toxic gases, fumes, or vapors.
- Hazardous Combustion Products**
 - Carbon monoxide, carbon dioxide, hydrocarbons.
- Protection of Firefighters**
 - Fire fighters should wear complete protective clothing including self-contained

Flash Point	- breathing apparatus.
Explosion Limits	- 105 °F(40.56°C) CC (Closed Cup)
Upper	- 6 %
Lower	- 0.9 %


Section 6 - Accidental Release Measures

Personal Precautions	- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing Stay upwind Ventilate the area before entry
Emergency Procedures	- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) Isolate the area and contain the spilled material. Persons not wearing the appropriate PPE should be removed from the area until the spill is cleaned up
Environmental Precautions	- Prevent entry into waterways, sewers, basements or confined areas Do NOT wash away into sewer
Containment/Clean-up Measures	- Contain and recover liquid when possible. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in suitable container. Do not flush to sewer or allow to enter waterways. Do not use water to flush spill area. Use appropriate Personal Protective Equipment (PPE)
Prohibited Materials	- Avoid contact with strong oxidizing agents and acids.

Section 7 - Handling and Storage

Handling	- KEEP OUT OF THE REACH OF CHILDREN! Keep away from heat and ignition sources. Keep away from fire - No Smoking. Do not use in areas without adequate ventilation.
Storage	- Store in a well-ventilated place. Keep container tightly closed. No open flames, no sparks and no smoking.
Special Packaging Materials	- No data available
Incompatible Materials or Ignition Sources	- Avoid contact with strong oxidizing agents and acids.

Section 8 - Exposure Controls/Personal Protection

Personal Protective Equipment Pictograms	- 
Respiratory	- In case of insufficient ventilation, wear suitable respiratory equipment. If listed exposure limits are expected to be exceeded, use approved respiratory protection suitable for the hazard.
Eye/Face	- Wear ANSI approved safety glasses with side shields or safety goggles.
Hands	- Wear chemical protective gloves made of Nitrile or Neoprene.
Skin/Body	- Wear clothing that covers the skin to prevent skin exposure.
General Industrial Hygiene Considerations	- Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Avoid breathing vapors.
Engineering Measures/Controls	- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. Use precaution to protect building intake from fumes and vapors created outdoors.

Exposure Limits/Guidelines

	Result	Canada Ontario	Mexico	NIOSH	OSHA	United States - California
Cellulose (9004-34-6)	TWAs	10 mg/m ³ TWAEV (paper fibre, total dust)	10 mg/m ³ TWA	10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	10 mg/m ³ PEL (total dust); 5 mg/m ³ PEL (respirable fraction)
1,2,4-Trimethylbenzene (95-63-6)	TWAs	Not established	Not established	25 ppm TWA; 125 mg/m ³ TWA	Not established	Not established
Benzene, 1,3,5-trimethyl (108-67-8)	TWAs	Not established	Not established	25 ppm TWA; 125 mg/m ³ TWA	Not established	Not established
Aluminum (7429-90-5)	TWAs	5 mg/m ³ TWAEV (powder); 10 mg/m ³ TWAEV (metal and oxide dust)	10 mg/m ³ TWA (dust)	10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	10 mg/m ³ PEL (total dust); 5 mg/m ³ PEL (respirable fraction)
Asphalt (8052-42-4)	TWAs	0.5 mg/m ³ TWAEV (fume, inhalable, as benzene-soluble aerosol)	5 mg/m ³ TWA	Not established	Not established	5 mg/m ³ PEL (fume)
Mineral Spirits (8052-41-3)	TWAs	525 mg/m ³ TWAEV	100 ppm TWA; 523 mg/m ³ TWA	350 mg/m ³ TWA	500 ppm TWA; 2900 mg/m ³ TWA	100 ppm PEL; 525 mg/m ³ PEL

Exposure Control Notations

ACGIH

- Asphalt (8052-42-4):Carcinogens:A4 - Not Classifiable as a Human Carcinogen (fume, coal tar-free)

Key to abbreviations

PEL = Permissible Exposure Level determined by the Occupational Safety and Health Administration (OSHA)

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

Physical Form:	Liquid	Appearance/Description:	Thick black semi-liquid.
Color:	Black	Odor:	Mild Hydrocarbon.
Odor Threshold:	No data available	Boiling Point:	300 to 390°F
Heat of Decomposition:	Not relevant	pH:	Not relevant
Specific Gravity/Relative Density:	= 0.98 Water=1	Density:	= ~8.11 lbs/gal
Bulk Density:	Not relevant	Water Solubility:	No
Solvent Solubility:	Not relevant	Viscosity:	= 270 Centipoise (cPs, cP) or mPas @ 140 F(60 C)
Vapor Pressure:	= 2 mmHg (torr) @ 68 F(20 C)	Vapor Density:	= 4.9 Air=1
Evaporation Rate:	< 1 Ether = 1	VOC (Wt.):	Not relevant
VOC (Vol.):	< 450 g/L	Volatiles (Wt.):	No data available
Volatiles (Vol.):	No data available	Flash Point:	105 F(40.5556 C)
Flash Point Test Type:	CC (Closed Cup)	UEL:	6 %
LEL:	0.9 %	Heat of Combustion (ΔHc):	Not relevant

Section 10 - Stability and Reactivity

- Stability** - Stable under normal temperatures and pressures.
- Hazardous Polymerization** - Hazardous polymerization not indicated.
- Conditions to Avoid** - Avoid contact with strong oxidizing agents and flame.
- Incompatible Materials** - Strong oxidizers and acids.
- Hazardous Decomposition Products** - Carbon monoxide, carbon dioxide and hydrocarbons.

Section 11 - Toxicological Information

Component Name	Concentration	CAS	Data
Asphalt	30% TO 40%	8052-42-4	Acute Toxicity: ; orl-rat LD50:>5000 mg/kg; ihl-rat LC50:>94.4 mg/m ³ Tumorigen/Carcinogen: ; skn-mus TD :69 gm/kg/43W-I
1,2,4-Trimethylbenzene	1% TO 5%	95-63-6	Acute Toxicity: ; orl-rat LD50:5 gm/kg; ihl-rat LC50:18000 mg/m ³ /4H
Benzene, 1,3,5-trimethyl	1% TO 5%	108-67-8	Acute Toxicity: ; orl-rat LD50:5000 mg/kg; ihl-hmn TCLo:10 ppm Irritation: ; skn-rbt 20 mg/24H MOD
Cellulose	1% TO 5%	9004-34-6	Acute Toxicity: ; orl-rat LD50:>5 gm/kg; ihl-rat LC50:>5800 mg/m ³ /4H
Solvent naphtha (petroleum), light aromatic	0.1% TO 5%	64742-95-6	Acute Toxicity: ; orl-rat LD50:8400 mg/kg

- Other Information** - This product contains petroleum asphalt. Petroleum asphalt is not listed as a carcinogen by OSHA or NTP. The National Institute of Occupational Safety and Health (NIOSH), has concluded that at higher temperatures roofing asphalt fumes are a potential occupational carcinogen. If this product is heated or comes in contact with heated material, avoid breathing fumes. This product may contain small amounts of polycyclic aromatic hydrocarbons (PAH's) which are recognized carcinogens in humans and experimental animals. Mouse skin painting studies of roofing asphalt vapor concentrate have shown evidence of tumor formation associated with localized skin irritation in recent studies. Inhalation studies of high airborne concentrations of asphalt/bitumen fumes in rats and mice produced bronchitis, pneumonitis, and lung changes such as fibrosis and cell damage.

Section 12 - Ecological Information

- Ecological Fate** - No data available
- Persistence/Degradability** - No data available.
- Bioaccumulation Potential** - No data available.
- Mobility in Soil** - No data available

Section 13 - Disposal Considerations

- Product** - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transportation Information

DOT - United States - Department of Transportation - Not Regulated when shipped in containers < 119 gallons (450 L)

TDG - Canada Transportation of Dangerous Goods: Tars, Liquids; UN1999; Hazard Class: 3; Packing Group: III

TDG Transportation Other Information: 1.33 -Not Restricted under General Exemption for small container packaging.

IMO/IMDG –International Maritime Transport: Tars, Liquids; UN1999; Hazard Class: 3; Packing Group: III

IMO/IMDG Transportation Other Information-IMDG Code 2.3.2.5 - exempted from marking, labeling & testing of packages.

IATA - International Air Transportation Association - TARS, LIQUID; UN1999; Hazard Class: 3; Packing Group: III.

Section 15 - Regulatory Information

SARA Hazard Classifications - Acute, Chronic

Risk & Safety Phrases - California PROP 65: Asphalt and Asphalt Fumes may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm. Bituminous Fumes are PROP 65 listed. Asphalt is considered a bituminous material but would need to be heated in excess of 500°F to release fumes necessary for exposure. Normal use of this product does not require heating and the material is not recommended for heating by the manufacture. .

Other Flammability Rating Per NFPA and DOT the product is classified as a combustible liquid.

State Right To Know				
Component	CAS	MA	NJ	PA
Styrene/Butadiene Polymer	9003-55-8	No	No	No
Mineral Spirits	8052-41-3	Yes	Yes	Yes
Asphalt	8052-42-4	Yes	Yes	Yes
Aluminum	7429-90-5	Yes	Yes	Yes
Perlite	130885-09-5	No	No	No
1,2,4-Trimethylbenzene	95-63-6	Yes	Yes	Yes
Benzene, 1,3,5-trimethyl	108-67-8	Yes	No	No
Cellulose	9004-34-6	Yes	Yes	Yes
Solvent naphtha (petroleum), light aromatic	64742-95-6	No	No	No

Inventory			
Component	CAS	EU EINECS	TSCA
Styrene/Butadiene Polymer	9003-55-8	No Data	Yes
Mineral Spirits	8052-41-3	Yes	Yes
Asphalt	8052-42-4	Yes	Yes
Aluminum	7429-90-5	Yes	Yes
Perlite	130885-09-5	No Data	Yes
1,2,4-Trimethylbenzene	95-63-6	Yes	Yes
Benzene, 1,3,5-trimethyl	108-67-8	Yes	Yes
Cellulose	9004-34-6	Yes	Yes
Solvent naphtha (petroleum), light aromatic	64742-95-6	Yes	Yes

Canada - WHMIS - Classifications of Substances

- Cellulose	9004-34-6	1% TO 5%	Uncontrolled product according to WHMIS classification criteria (including microcrystalline and paper fibers)
- Aluminum	7429-90-5	5% TO 10%	B6 (powder); Uncontrolled product according to WHMIS classification criteria
- 1,2,4-Trimethylbenzene	95-63-6	1% TO 5%	B3
- Solvent naphtha (petroleum), light aromatic	64742-95-6	0.1% TO 5%	B3, D2B
- Perlite	130885-09-5	5% TO 10%	D2A (ore, containing >0.1% Crystalline silica); Uncontrolled product according to WHMIS classification criteria (ore)
- Mineral Spirits	8052-41-3	30% TO 45%	B3, D2B
- Benzene, 1,3,5-trimethyl	108-67-8	1% TO 5%	B3

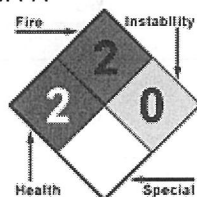
U.S. - CERCLA/SARA - Section 313 - Emission Reporting

- Aluminum	7429-90-5	5% TO 10%	1.0 % de minimis concentration (dust or fume only)
- 1,2,4-Trimethylbenzene	95-63-6	1% TO 5%	1.0 % de minimis concentration

Section 16 - Other Information

- Last Revision Date** - 9/25/2014
- Prepared By** - GG Inc.
- Disclaimer/Statement of Liability** - This information relates 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 our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to verify the suitability and completeness of such information for particular use. The manufacturer does not accept liability for any loss or damage that may occur from the use of this information.

NFPA



SAFETY DATA SHEET



Revision Date 28-May-2015
Version 1

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name Quarzputz®, Quarzputz® - Si, Quarzputz® E, Quarzputz® E - Si, WL Quarzputz®, WL
Product code Quarzputz® - Si
011020197

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

Recommended Use Restricted to professional users
Restrictions on use Professional Use Only
Uses advised against Not suitable for use in homemaker (DIY) applications

1.3 Details of the supplier of the safety data sheet

Supplier Dryvit Systems, Inc
One Energy Way,
West Warwick, RI 02893
Phone Number: (401) 822-4100
Toll Free Number: (800) 556-7752

E-mail Address ehs@dryvit.com

1.4 Emergency telephone number

Emergency telephone number Chemtrec: +1 703-527-3887 ex-USA
Chemtrec: 1-800-424-9300 USA

2. Hazards identification

2.1 Classification of the substance or mixture

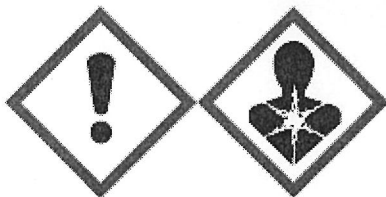
GHS Classification in accordance with 29 CFR 1910.1200

Skin sensitization	Category 1
Carcinogenicity	Category 1A

2.2 Label elements

Signal Word
Danger

Hazard Statements
May cause an allergic skin reaction
May cause cancer



Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Contaminated work clothing should not be allowed out of the workplace

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation or rash occurs: Get medical advice/attention
 Wash contaminated clothing before reuse

Precautionary Statements - Storage

Store in accordance with local regulations

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

2.3. Other Hazards Hazards not otherwise classified (HNOC)

Not Applicable

2.4 Other information

Not Applicable

3. Composition/Information on Ingredients

Substance

Chemical Name	CAS-No	Weight %
CRYSTALLINE SILICA (QUARTZ)/ SILICA SAND	14808-60-7	60 - 70%
CLAY (KAOLIN)	1332-58-7	0 - 10%
Titanium dioxide	13463-67-7	0 - 10%
Stoddard Solvent	8052-41-3	0 - 10%
AMORPHOUS SILICA	7631-86-9	0 - 10%
Aluminium Hydroxide	21645-51-2	0 - 10%
Hexahydro-1,3,5-tris(hydroxyethyl)-s-triazine	4719-04-4	0 - 10%

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

4. First aid measures

4.1 Description of first-aid measures

General advice If symptoms persist, call a physician.

Eye contact Call a physician if irritation develops or persists. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin contact Immediate medical attention is not required. Call a physician if irritation develops or

persists.

Inhalation Immediate medical attention is not required. Call a physician if irritation develops or persists. Get medical attention if symptoms occur.

Ingestion If swallowed, do not induce vomiting - seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3 Recommendations for immediate medical care and/or special treatment

Notes to physician No information available.

5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None.

5.2 Specific hazards arising from the substance or mixture

Special Hazard

No information available

Hazardous Combustion Products No information available.

Explosion Data

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal protection needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill.

6.2 Environmental precautions

Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological information.

6.3 Methods and materials for containment and cleaning up

Methods for Containment Spills and leaks are not likely. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Store in accordance with local regulations. Keep from freezing.

Materials to Avoid Strong oxidizing agents. Strong acids. Strong bases.

8. Exposure controls/personal protection

8.1 Occupational Exposure Limits (OEL)

Chemical Name	ACGIH TLV	OSHA PEL	British Columbia	Alberta	Quebec	Ontario TWAEV
CRYSTALLINE SILICA (QUARTZ)/ SILICA SAND 14808-60-7	TWA: 0.025 mg/m ³ respirable fraction	: (30)/(%SiO ₂ + 2) mg/m ³ TWA total dust : (250)/(%SiO ₂ + 5) mppcf TWA respirable fraction : (10)/(%SiO ₂ + 2) mg/m ³ TWA respirable fraction	TWA: 0.025 mg/m ³	TWA: 0.025 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.10 mg/m ³
CLAY (KAOLIN) 1332-58-7	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 5 mg/m ³	TWA: 2 mg/m ³
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust	TWA: 10 mg/m ³ TWA: 3 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³
Stoddard Solvent 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m ³	TWA: 290 mg/m ³ STEL: 580 mg/m ³	TWA: 100 ppm TWA: 572 mg/m ³	TWA: 100 ppm TWA: 525 mg/m ³	TWA: 525 mg/m ³
AMORPHOUS SILICA 7631-86-9	-	TWA: 20 mppcf : (80)/(% SiO ₂) mg/m ³ TWA				
Aluminium Hydroxide 21645-51-2	TWA: 1 mg/m ³ respirable fraction	-	TWA: 1.0 mg/m ³			TWA: 1 mg/m ³

8.2 Appropriate engineering controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

8.3 Individual protection measures, such as personal protective equipment

Eye/Face Protection If splashes are likely to occur, wear:.. Tightly fitting safety goggles.

Skin and body protection Wear protective gloves/ protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene measures See section 7 for more information

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Viscous liquid
Color	Off-white Gray or Colored liquid
Odor	Faint
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH	>8	
Melting/freezing point		No information available
Boiling point/boiling range	> 100 °C / 212 °F	
Flash Point	no data available	No information available
Evaporation rate		
Flammability (solid, gas)		No information available
Flammability Limits in Air		
upper flammability limit		No information available
lower flammability limit		No information available
Vapor pressure		No information available
Vapor density		No information available
Specific Gravity	0.96 - 1.80 g/cc	
Water solubility	Soluble in water	
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		
Decomposition temperature		
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties		No information available
Oxidizing Properties		No information available

9.2 Other information

Volatile organic compounds (VOC) content	no data available
Density	8.0 - 15.0

10. Stability and Reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to Avoid

Do not freeze. To avoid thermal decomposition, do not overheat.

10.5 Incompatible Materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6 Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors.

11. Toxicological information

11.1 Acute toxicity

Numerical measures of toxicity: Product Information

The following values are calculated based on chapter 3.1 of the GHS document

Numerical measures of toxicity: Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
CRYSTALLINE SILICA (QUARTZ)/ SILICA SAND 14808-60-7	500 mg/kg (Rat)	-	-
Titanium dioxide 13463-67-7	10000 mg/kg (Rat)	-	-
AMORPHOUS SILICA 7631-86-9	5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 2.2 mg/L (Rat) 1 h
Aluminium Hydroxide 21645-51-2	5000 mg/kg (Rat)	-	-

11.2 Information on toxicological effects

Skin corrosion/irritation

Product Information

- No information available

Component Information

- No information available

Eye damage/irritation

Product Information

- No information available

Component Information

- No information available

Respiratory or skin sensitization

Product Information

- May cause allergic skin reaction

Component Information

- No information available

Germ Cell Mutagenicity

Product Information

- No information available

Component Information

- No information available

Carcinogenicity

- The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
CRYSTALLINE SILICA (QUARTZ)/ SILICA SAND 14808-60-7	A2	Group 1	Known	
Titanium dioxide	-	Group 2B	-	

13463-67-7			
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Reproductive toxicity

- Product Information
 • No information available
Component Information
 • No information available

STOT - single exposure
 No information available

STOT - repeated exposure
 No information available

Other adverse effects

- Target Organs
 • None under normal use conditions
Product Information
 • No information available
Component Information
 • No information available

Aspiration hazard

- Product Information
 • No information available
Component Information
 • No information available

12. Ecological information

12.1 Toxicity

Ecotoxicity No information available

Ecotoxicity effects

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
AMORPHOUS SILICA 7631-86-9	EC50: 72 h Pseudokirchneriella subcapitata 440 mg/L	LC50: 96 h Brachydanio rerio 5000 mg/L static	EC50: 48 h Ceriodaphnia dubia 7600 mg/L

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Discharge into the environment must be avoided

12.4 Mobility in soil

No information available.

12.5 Other adverse effects

No information available

13. Disposal Considerations

13.1 Waste Disposal Guidance

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information

<u>DOT</u>	Not regulated
<u>MEX</u>	Not regulated
<u>IMDG</u>	Not regulated
<u>IATA</u>	Not regulated

15. Regulatory information

15.1 International Inventories

TSCA	-
DSL	-
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECL	-
PICCS	-
AICS	-
NZIoC	-

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

15.2 U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

15.3 Pesticide Information

Not applicable

15.4 U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
CRYSTALLINE SILICA (QUARTZ)/ SILICA SAND - 14808-60-7	Carcinogen
Titanium dioxide - 13463-67-7	Carcinogen
ASHES (RESIDUES) - 68131-74-8	Carcinogen
Benzophenone - 119-61-9	Carcinogen
N-(3,4-dichlorophenyl)-N,N-dimethylurea - 330-54-1	Carcinogen
1,4-DIOXANE - 123-91-1	Carcinogen

Ethylene oxide - 75-21-8	Carcinogen Developmental Female Reproductive Male Reproductive
ETHYL ACRYLATE - 140-88-5	Carcinogen
Formaldehyde - 50-00-0	Carcinogen
Acetaldehyde - 75-07-0	Carcinogen

16. Other information

NFPA	Health Hazard 1	Flammability 0	Instability 0	Physical and chemical hazards *
HMIS	Health Hazard 1	Flammability 0	Physical Hazard 0	Personal protection B

Legend:

- ACGIH (American Conference of Governmental Industrial Hygienists)
- Ceiling (C)
- DOT (Department of Transportation)
- EPA (Environmental Protection Agency)
- IARC (International Agency for Research on Cancer)
- International Air Transport Association (IATA)
- International Maritime Dangerous Goods (IMDG)
- NIOSH (National Institute for Occupational Safety and Health)
- NTP (National Toxicology Program)
- OSHA (Occupational Safety and Health Administration of the US Department of Labor)
- PEL (Permissible Exposure Limit)
- Reportable Quantity (RQ)
- Skin designation (S*)
- STEL (Short Term Exposure Limit)
- TLV® (Threshold Limit Value)
- TWA (time-weighted average)

Revision Date 28-May-2015

Revision Note
 No information available

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET

A41T214

Section 1. Identification

Product name : ALL SURFACE ENAMEL - Acrylic Latex Satin
Ultradeep Base

Product code : A41T1354

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against
Not applicable.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 Prospect Avenue N.W.
Cleveland, OH 44115

Emergency telephone number of the company : (216) 566-2917

Product Information Telephone Number : Not available.

Regulatory Information Telephone Number : (216) 566-2902

Transportation Emergency Telephone Number : (800) 424-9300

Section 2. Hazards identification

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

Classification of the substance or mixture : CARCINOGENICITY - Category 1A

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 1.6%

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : May cause cancer.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing.

Response : IF exposed or concerned: Get medical attention.

Storage : Store locked up.

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

Section 2. Hazards Identification

Supplemental label elements **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure.

Environmental label This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.

 Please refer to the SDS for additional information. Do not transfer contents to other containers for storage.

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

CAS number/other identifiers

Ingredient name	% by weight	CAS number
Benzophenone	≤0.3	119-61-9
Cristobalite	≤0.3	14464-46-1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 4. First aid measures

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Benzophenone	AIHA WEEL (United States, 10/2011). TWA: 0.5 mg/m ³ 8 hours.
Cristobalite	OSHA PEL Z3 (United States, 2/2013). TWA: 250 MPPCF / 2 x (%SiO ₂ +5) 8 hours. Form: Respirable TWA: 10 MG/M3 / 2 x (%SiO ₂ +2) 8 hours. Form: Respirable TWA: 30 MG/M3 / 2 x (%SiO ₂ +2) 8 hours. Form: Total dust ACGIH TLV (United States, 3/2015). TWA: 0.025 mg/m ³ 8 hours. Form: Respirable fraction NIOSH REL (United States, 10/2013). TWA: 0.05 mg/m ³ 10 hours. Form: respirable dust

- Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Environmental exposure controls** : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**
Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 8. Exposure controls/personal protection

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

- Physical state** : Liquid.
- Color** : Not available.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : 9
- Melting point** : Not available.
- Boiling point** : 100°C (212°F)
- Flash point** : Closed cup: >93.3°C (>199.9°F)
- Evaporation rate** : 0.09 (butyl acetate = 1)
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Lower: 0.6%
Upper: 4.2%
- Vapor pressure** : 0.31 kPa (2.333 mm Hg) [at 20°C]
- Vapor density** : 1 [Air = 1]
- Relative density** : 1.15
- Solubility** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Kinematic (room temperature): >0.205 cm²/s (>20.5 cSt)
Kinematic (40°C (104°F)): >0.205 cm²/s (>20.5 cSt)
- Molecular weight** : Not applicable.

Aerosol product

- Heat of combustion** : 1.707 kJ/g

Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Incompatible materials** : No specific data.