

Cryl-A-Tex Powder SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier: Cryl-A-Tex Powder

Recommended use: Floor Surfacing

Manufacturer Name: Dur-A-Flex, Inc.
95 Goodwin Street
East Hartford, CT 06108

Telephone number: 860-528-9838

Emergency phone number: 1-800- 424-9300 (CHEMTREC)

Date of Preparation: September 8, 2014

2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health
Not Hazardous	Carcinogenicity Category 1A Specific Target Organ Toxicity – Repeat Exposure Category 1

Labeling:

Danger!



Hazard statement(s)

May cause cancer by inhalation.
Causes damage to lungs through prolonged or repeated inhalation exposure.

Precautionary statement(s)

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use person protective equipment as required.
IF exposed or concerned: Get medical attention.
Store locked up.
Dispose of contents and container in accordance with local and national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Crystalline Silica	14808-60-7	70-90%
Calcium Carbonate	1317-65-3	10-30%

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

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial ventilation. Get medical attention if irritation persists.

Skin contact: Remove contaminated clothing and launder before reuse. Wash skin with soap and water. Get medical attention if irritation develops or persists.

Eye contact: Immediately flush eyes with large quantities of water for several minutes, holding the eyelids apart. Get medical attention if irritation persists.

Ingestion: If swallowed, rinse mouth with water.

Most important symptoms/effects, acute and delayed: Dust may cause mechanical eye and skin irritation. Inhalation of dust may cause respiratory irritation, coughing and difficulty in breathing. Prolonged overexposure to respirable crystalline silica may cause lung disease (silicosis) and increase the risk of lung cancer. Risk of cancer depends on duration and level of exposure

Indication of immediate medical attention and special treatment, if necessary: None required under normal conditions of use.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Use media appropriate to the surrounding fire.

Specific hazards arising from the chemical: None known.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing as described in Section 8.

Environmental precautions: Report releases as required by local and federal authorities.

Methods and materials for containment and cleaning up: Collect using dustless method and place in appropriate container for use or disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Do not breathe dust. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation and proper dust collection methods to keep exposure level below occupational exposure limits. Wash thoroughly with soap and water after use.

Empty containers retain product residues. Follow all SDS precautions in handling empty containers.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry, well ventilated area. Protect from physical damage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Crystalline Silica	10 mg/m ³	TWA OSHA PEL (respirable fraction)
	% Silica + 2	
	30 mg/m ³	TWA OSHA PEL (total dust
	% Silica + 2	
	0.025 mg/m ³	TWA ACGIH TLV (respirable fraction)
Calcium Carbonate	5 mg/m ³	TWA OSHA PEL (respirable fraction)
	10 mg/m ³	TWA OSHA PEL (total dust)

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to maintain exposures below the occupational exposure limits.

Individual protection measures, such as personal protective equipment:

Respiratory protection: If the exposure limits are exceeded a NIOSH approved particulate respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 or other applicable regulations and good industrial hygiene practice.

Skin protection: Abrasive resistant gloves are recommended to prevent skin contact.

Eye protection: Chemical safety glasses with sideshields are recommended to prevent eye contact.

Other: Impervious clothing as needed to avoid skin contact and contamination of personal clothing. An eye wash should be available in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): White or tan granular powder

Odor: No odor

Odor threshold: Not available	pH: Not applicable
Melting Point/Freezing Point: 3110°F / 1710°C	Boiling Point: 4046°F/2230°C
Flash point: Not flammable	Evaporation rate: Not applicable
Flammability (solid, gas): Not flammable or combustible	
Flammable limits: LEL: Not applicable	UEL: Not applicable
Vapor pressure: Not applicable	Vapor density: Not applicable
Relative density: 2.65	Solubility(is): Insoluble in water

Partition coefficient: n-Octanol/water: Not applicable	Auto-ignition temperature: Not applicable
Decomposition temperature: Not available	Viscosity: Not applicable

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable

Possibility of hazardous reactions: Crystalline silica will dissolve in hydrofluoric acid and produce silicone tetrafluoride.

Conditions to avoid: None known.

Incompatible materials: Avoid contact with oxidizing agents.

Hazardous decomposition products: None known.

11. TOXICOLOGICAL INFORMATION

Inhalation: Inhalation of dust may cause irritation to the nose, throat and upper respiratory tract with coughing and shortness of breath.

Ingestion: Not expected to cause adverse effects.

Skin contact: Prolonged skin contact may cause mechanical irritation and abrasions.

Eye contact: Dust may cause irritation or redness with inflammation of the cornea. May cause mechanical irritation.

Chronic effects from short- and long-term exposure: Chronic inhalation of respirable crystalline silica dust may cause a progressive, disabling and sometimes fatal lung disease called silicosis. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function.

Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental toxicity.

Sensitization: None of the components have been shown to cause sensitization in animals or humans.

Mutagenicity: None of the components have been shown to cause mutagenic activity. .

Carcinogenicity: Crystalline silica quartz is listed as "Carcinogenic to Humans" (Group 1) by IARC and "Known to be a Human Carcinogen" by NTP. None of the other components are listed as a carcinogen by IARC, NTP, ACGIH or OSHA.

Acute Toxicity Values:

Crystalline Silica, Quartz: Oral rat LD50 >22,500 mg/kg

Calcium Carbonate: No toxicity data available

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Calcium Carbonate: No data available

Crystalline Silica: 72 hr LC50 carp >10,000 mg/L

Persistence and degradability: Biodegradation is not applicable to inorganic substances.

Bioaccumulative potential: Not expected to be bioaccumulative.

Mobility in soil: No data available.

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	None	Not Regulated	None	None	None
TDG	None	Not Regulated	None	None	None
IMDG	None	Not Regulated	None	None	None
IATA	None	Not Regulated	None	None	None

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known

15. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Chronic Health

SARA 313 Information: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

California Proposition 65

This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity (birth defects): Crystalline silica, quartz (14808-60-7) 70-90% cancer

EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

CANADA:

Canadian WHMIS Classification: Class D Division 2A (Very toxic material causing other toxic effects)

This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

16. OTHER INFORMATION

NFPA Rating: Health = 0 Flammability = 0 Instability = 0
HMIS Rating: Health = 0* Flammability = 0 Physical Hazard = 0

SDS Revision History: All sections revised – Converted to GHS format

Date of preparation: September 8, 2014

Date of last revision: New SDS

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, Dur-A-Flex, Inc. **MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND USE.**



95 Goodwin Street, East Hartford, CT., 06108 (860) 528-9838

Material Safety Data Sheet

Date Prepared 8/2/2010

SECTION I - IDENTIFICATION	HAZARD RATING	Health	2
	0 = Least	Flammability	3
	1 = Slight	Reactivity	2
	2 = Moderate	Personal Protection	G
IDENTITY (As Used on Label)	Cryl-A-Tex Liquid/LM Liquid		
COMMON NAME	Acrylic Resin Solution		
	3 = High		
	4 = Extreme		

SECTION II - PRODUCT COMPONENTS	CAS.#	OSHA PEL	ACGIH TLV
Methyl Methacrylate	80-62-6	100 ppm	100 ppm
1,3 Butanediol Dimethacrylate	1189-08-8	N.E. ¹	N.E.
White Mineral Oil	8042-47-5	5 mg/m ³	5 mg/m ³
Dimethyl-p-Toluidine	99-97-8	N.E.	N.E.
2-Ethylhexyl Acrylate	103-11-7	N.E.	N.E.

¹ N.E. = None Established

Warning: This material is highly flammable. Direct contact can cause severe irritation to the eyes, skin and respiratory tract. Inhalation and skin contact can cause an allergic sensitization. Inhalation of high vapor concentrations can cause headache, nausea, drowsiness and unconsciousness.

T.S.C.A. Status - O.K. on all above components.

FOR SPILL, LEAK, FIRE, OR ACCIDENT, CALL CHEMTREC 24-HOUR EMERGENCY NUMBER 1-800-424-9300

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS			
Boiling Point °F	212 (MMA)	Specific Gravity (H ₂ O = 1)	approx. 1
Vapor Pressure (mm Hg)	30 (MMA)	Melting Point	N/A
Vapor Density (AIR = 1)	>1 (MMA)	Evaporation rate (Butyl Acetate = 1)	>1
Volatile Organic Compounds (VOC) = Zero grams/liter			
Solubility in Water	16 g/l (MMA)		
Appearance and Odor	Low viscosity, Moderately turbid fluid with a sweet ester odor		

SECTION IV - FIRE and EXPLOSION HAZARD DATA

Flash Point (Closed Cup Method)	50 °F	Flammable Limits	LEL	UEL
			2.10%	12.50%

Extinguishing Media Use water mist, CO₂, foam, dry powder or cover with sand

Special Firefighting Procedures

Evacuate enclosed and surrounding areas. If smoke and fumes cannot be avoided, use proximity suit and self-contained breathing apparatus. Use water spray to cool containers and disperse vapors. Keep spills away from sources of ignition.

Unusual Fire and Explosion Hazards
Vapor is heavier than air and forms explosive mixture with air. Never use welding or cutting torch on or near containers or drums. Rags or waste soaked with this product and/or solvents, may spontaneously combust if improperly discarded. Prior to disposal, spread out all rags or other waste to dry before disposal.

SECTION V - REACTIVITY DATA

Stability	Unstable		Conditions to Avoid
	Stable	X	Keep containers closed when not in use.

Incompatibility (Materials to Avoid) Reducing agents, Oxidizing agents, solid polymeric particles

Hazardous Decomposition or Byproducts Thermal decomposition may yield water, oxides of carbon, and acid fumes

Hazardous Polymerization	May Occur	X	Conditions to Avoid: High temperatures, oxygen-free atmospheres, or contaminated areas. Avoid contact with peroxides, azocompounds and redox systems.
	Will Not Occur		

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	YES	YES	YES

Signs and Symptoms of Exposure	Irritation of skin.
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Health Hazards (Acute and Chronic)

ACUTE - Irritation of skin and dermatitis.

CHRONIC - Inhalation and skin contact can lead to an allergic respiratory sensitization. Persons may experience rapid irritation of skin upon exposure.

Persons with lung disorders or who are sensitized should not use this product.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	NO	NO	NO

Medical Conditions Generally Aggravated by Exposure

Conjunctivitis of the eye, dermatitis of the skin, asthma and respiratory diseases.

Emergency and First Aid Procedures

EYES - Flush with water, holding lids open for 15 minutes or more. Call physician for advice if necessary.

SKIN - PROMPTLY wash with soap and water. DO NOT wash with solvents. Seek medical advice if irritation develops or persists.

INHALATION - May cause burns to the respiratory tract. Move person to fresh area if effects occur. If needed, give oxygen or artificial respiration to improve breathing. Consult physician.

INGESTION - Expected to be slightly toxic by ingestion. May cause burns to the gastrointestinal tract. If swallowed, induce vomiting immediately as directed by a physician. Get medical attention immediately.

Never give liquids to an unconscious or convulsing person.

SECTION VII - CONTROL MEASURES

Respiratory Protection (Specify Type): Atmospheric levels should be maintained below the exposure limits listed in section II by using engineering controls. Provide adequate exhaust ventilation and/or NIOSH approved cartridge respirator.

Ventilation	Local Exhaust	If needed.	Special	None known.
	Mechanical	Adequate exhaust ventilation must exhaust AWAY from applicator.		

Protective Gloves	Natural rubber or Neoprene.	Eye Protection	Splash goggles or face shield.
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Other Protective Clothing or Equipment:

Use rubber apron, face shield and appropriate clothing to prevent contact with skin. Launder contaminated clothing before reuse. Discard contaminated leather shoes and canvas sneakers. Protective skin creams help cleaning with soap and water, gloves must still be worn. An eye wash station or an adequate supply of clean water must be available at work area.

Work/Hygienic Practices Establish good personal hygiene and work practices. Always wash hands and face before eating, drinking or smoking.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Wear protective equipment to prevent exposure. Stop spill and dike with sand or earth to prevent spreading. Avoid ignition sources. Absorb with sand or other non-flammable absorbent material and transfer to approved DOT drum for recovery or disposal. CERCLA/SARA requires notification of the appropriate Federal, State and Local authorities of releases of hazardous or extremely hazardous quantities equal to or greater than the reportable quantities (RQs) 40 CFR 302.4 and 40 CFR 355. SARA Title 313 requires submission of annual reports of releases of toxic chemicals that appear in 40 CFR 372. Components present in this product at a level which could require reporting are listed in section XII.

Waste Disposal Method: This material is a hazardous waste (as per RCRA) because of its ignitability. Disposal should be conducted by an EPA or (RCRA) permitted Facility. CERCLA Reporting: Methyl Methacrylate (MMA) RQ=1000# SARA Title 313 reporting MMA

Precautions to be Taken in Handling and Storing:

Store in cool, dry, well-ventilated area away from sources of ignition. Keep containers tightly closed when not in use.

Other Precautions DO NOT THIN THIS PRODUCT

Prepared By: Samet Dy - Chemist

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