



SAFETY DATA SHEET

This Safety Data Sheet complies with the Canadian Controlled Product Regulations, the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910 (OSHA HCS), and the European Union Directives.

1. Product and Supplier Identification

- 1.1 **Product:** 3D Gel Art Powder
- 1.2 **Product Use:** Nail Powder
- 1.3 **Producer:** Haigh Industries Inc.,
#5 – 8118 North Fraser Way,
Burnaby, B.C.
Canada, V5J 0E5
- Telephone: (604) 278-5851
- Supplier:** As above
- 1.4 **Emergencies (24-hour number):** +1(604) 278-5851

2. Hazards Identification

- 2.1 **Classification of product or mixture**
Note to reader: This product in an untested mixture and GHS classification is based on the classification of the ingredients and their concentrations. Proprietary ingredients do NOT exhibit any health effects not listed in this SDS.

GHS Classification: Eye irritation: Category 2A
Skin sensitization: Category 1

- 2.2 **GHS Label Elements, including precautionary statements**

Pictogram:



Signal Word: Warning

GHS Hazard Statements: H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.

GHS Precautionary Statements:

P261: Avoid breathing mist, vapours or spray
P264: Wash skin thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see First Aid in this SDS).
P333+P313: If skin irritation or rash occurs, get medical advice/attention
P337+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P501: Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: This product contains particulate, not otherwise classified (nuisance dust).

2.4 Additional Information

Primary Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	No
Eye Contact:	Yes
Ingestion:	No
Inhalation:	Yes

Emergency Overview: This product contains ingredients which may cause mild eye and skin irritation in some people. For eye contact, symptoms may include a moderate burning sensation, tearing, redness, or swelling. Contact with skin may cause an allergic reaction due to prior sensitization. Local redness, rash, or itchy skin may occur in those persons with a pre-existing sensitivity or those predisposed to skin problems. In rare cases an allergic skin reaction may occur after long term contact with this product.

Effects of Short-Term (Acute) Exposure:

Inhalation: Nuisance dust in high concentrations may irritate the nose, throat and lungs. Discomfort may occur when dust concentrations exceed permissible limits.

Skin Contact: Repeated or prolonged contact may cause allergic skin rashes, itching and swelling which becomes evident on re-exposure to this product.

Eye Contact: Higher concentrations of dust may irritate the eyes. May cause eye irritation or damage.

Ingestion: Ingestion is an unlikely route of entry. Small amounts ingested are not likely to produce any detrimental health effects.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermatitis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

3. Composition

3.1 Mixture composition

Component	% (w/w)	Exposure Limits (ACGIH)*	LD ₅₀	LC ₅₀
Poly (Ethyl Methacrylate) (CAS No. 9003-42-3) (EINECS No. None)	75 - 100	N/d	N/av	N/av
Poly (Methyl Methacrylate) (CAS No. 9011-14-7) (EINECS No. None)	1 - 5	N/d	N/av	N/av
Dibenzoyl Peroxide (CAS No. 94-36-0) (EINECS No. 202-327-6)	0.1 – 1.0	TLV-TWA: 5 mg/m ³	7710 mg/kg (oral/rat)	N/av
Silicon Dioxide (CAS No. 112945-52-5) (EINECS No. 262-373-8)	0 – 0.1	TWA: 20 x 10 ⁶ particles per cubic foot	N/av	N/av
Non-hazardous ingredients and ingredients below disclosure requirements.	0	N/ap	N/ap	N/ap
GHS CLASSIFICATION: SKIN IRR., Cat 2; EYE IRR., Cat 2A				

* ACGIH: American Conference of Governmental Industrial Hygienists. Exposure limits may vary from time to time and from one jurisdiction to another. Check with local regulatory agency for the exposure limits in your area.

ABBREVIATION KEY: N/p: not published, N/d: not determined, N/ap: not applicable, N/av: not available

4. First Aid Measures

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move away from dangerous area. Remove contaminated clothing. Completely decontaminate clothing, shoes and leather goods before re-use or discard.

In case of eye contact: Flush with water for 15 minutes, including under eyelids. Seek medical help if discomfort persists.

In case of skin contact: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if discomfort persists.

If inhalation: Remove to fresh air. If having breathing difficulty, give oxygen. If breathing has stopped, give artificial respiration. Get medical help if discomfort persists.

If ingestion: Rinse mouth out with water. Only induce vomiting if directed by a physician. Never give anything by mouth to an unconscious person. Seek prompt medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Effects of Short-Term (Acute) Exposure:

Inhalation: Nuisance dust in high concentrations may irritate the nose, throat and lungs. Discomfort may occur when dust concentrations exceed permissible limits.

Skin Contact: Repeated or prolonged contact may cause allergic skin rashes, itching and swelling which becomes evident on re-exposure to this product.

Eye Contact: Higher concentrations of dust may irritate the eyes. May cause eye irritation or damage.

Ingestion: Ingestion is an unlikely route of entry. Small amounts ingested are not likely to produce any detrimental health effects.

Effects of Long-Term (Chronic) Exposure: This product contains ingredients which have been known to cause skin sensitization in some people. Sensitization may occur after prolonged or repeated exposures to this product. Prolonged contact with skin may defat tissue causing dermatitis or aggravate existing skin problems.

Medical Conditions Aggravated By Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

4.3 Indication of any immediate medical attention and special treatment needed
None

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Water, carbon dioxide and dry chemical.

5.2 Special hazards arising from mixture: Polymer dust in air is combustible. The explosive concentrations in air are approximately that of coal dust.

Advice for firefighters: Avoid extinguishing methods that generate dust clouds. Water streams can disperse dust into air, producing a fire hazard and possible explosion hazard. Fire-fighters should wear self-contained breathing apparatus.

5.3 Further Information:

Sensitivity to Impact: No

Sensitivity to Static Discharge: Yes, if concentrations in air are within the upper and lower explosive limits.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD INDEX:

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 1

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Respiratory Protection: Dust may be generated when cleaning up released powder. Use of an N95 dust mask. In normal circumstances of use, no respiratory protection is needed. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Use safety glasses.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

6.2 Environmental precautions

Ensure that any release of this material is contained to prevent leakage into waterways and sanitary sewers.

6.3 Methods and materials for containment and cleanup

Remedial Measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.

Large Spills: Carefully sweep up spilled product in a way that will minimize dusting.

Small Spills: Carefully sweep up spilled product in a way that will minimize dusting.

6.4 Reference to other sections

For disposal, see section 13

7. Handling and Storage

7.1 Precautions for safe handling

Handling Procedures: Observe precautions found on the label. Wash face and hands thoroughly with soap and water after handling and before eating, drinking or smoking. Avoid prolonged or repeated contact with skin. Avoid contamination. Use only with adequate ventilation.

7.2 Conditions for safe storage, including incompatibilities

Storage: Store in cool, dry place away from heat, sparks, flame and direct sunlight. Close container after each use. Ground all metal containers when transferring. Use explosion-proof equipment. Store away from combustibles and incompatible materials. Polymer dust is combustible, explosive limits of the polymer particles suspended in air are approximately those of coal dust.

7.3 Specific end use(s)

No other uses except those mentioned in Section 1.2

8. Exposure Controls, Personal Protection

8.1 Control parameters

Components with workplace control parameters

Dibenzoyl Peroxide:	TLV-TWA: 5 mg/m ³
Silicon Dioxide :	TLV-TWA : 10 mg/m ³

8.2 Exposure controls

Engineering Controls: The engineering controls listed are for use and handling of this product in bulk. Use good local exhaust at processing equipment, including buffers, sanders, grinders and polishers. High temperature processing equipment should be well ventilated. Use explosion proof equipment. Provide ventilation if necessary to control exposure levels below airborne exposure limits.

Respiratory Protection: Dust may be generated when cleaning up released powder. Use of an N95 dust mask. In normal circumstances of use, no respiratory protection is needed. Exposure must be kept at or below the applicable exposure limits and the maximum use concentration of the respirator must not be exceeded.

Skin protection: Depending upon the conditions of use, protective gloves and clothing to prevent skin contact.

Eye and Face Protection: Use safety glasses.

Footwear: No specific recommendation.

Other: Emergency eyes wash fountains should be available in vicinity of use.

Control of environmental exposure

Prevent further leakage or spillage, if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Fine white powder
Odour:	Faint odour in bulk
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	Not available
Initial Boiling Point:	Not available
Flash Point:	304°C (TCC)
Evaporation Rate:	Not determined
Flammability:	Not flammable
Upper Explosion Limit:	Not determined
Lower Explosion Limit:	Not determined
Vapour Pressure:	Not applicable
Vapour Density:	Not determined
Relative Density:	Not determined
Solubility:	Insoluble
Partition Coefficient:	Not determined
Autoignition Temperature:	Not determined
Decomposition Temperature:	No data
Viscosity:	Not applicable
Explosive Properties:	No data
Oxidizing Properties:	No data
Percent Volatiles:	Not determined

9.2 Other safety information: None

10. Stability and Reactivity

- 10.1 Reactivity**
Product may become reactive if inhibitor is depleted.
- 10.2 Chemical Stability**
Stable as supplied.
- 10.3 Possibility of hazardous reactions**
None known.
- 10.4 Conditions to avoid**
Exposure to heat. Do not heat above 240°C.
- 10.5 Incompatible materials**
Strong oxidizing agents.
- 10.6 Hazardous decomposition products**
Methacrylate monomers

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

For product: LD₅₀: (oral/rat), 7990 mg/kg, LD₅₀: (dermal/rabbit), 35,500 mg/kg, LC₅₀: (rat/inhalation), 12,500 to 16,500 ppm/ 0.5 hours

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

Components of this mixture may cause eye irritation, H319, Category 2A, Warning

Respiratory or skin sensitization

Components of this mixture may cause skin sensitization, H317, Category 1, Warning

Germ Cell Mutagenicity

Tests positive as a mutagen on laboratory animals

Carcinogenicity

No data available

Reproductive toxicity

No information available

Specific Target Organ Toxicity – Single exposure

No information available

Specific Target Organ Toxicity – Repeated exposure

No information available

Aspiration Hazard

No information available

Additional information

Since this product contains a very low concentration of active components, the primary toxicological information is derived from the copolymers. Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.

12. Ecological Information

12.1 Toxicity

For product: Flathead minnows and Goldfish, TLm24: 420 ppm, Bluegills, TLm24: 368 ppm

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not conducted

12.6 Other adverse effects

No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product:

May be disposed of in a landfill or incinerated. Follow Federal, State and Local regulations for disposal. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

Contaminated Packaging:

Dispose as above.

14. Transport Information

Transport of Dangerous Goods (TDG and CLR): Not regulated

United States Department of Transport (49CFR): Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CANADIAN FEDERAL REGULATIONS:

CEPA, DOMESTIC SUBSTANCES LIST: Listed

WHMIS CLASSIFICATION: D2A

UNITED STATES – FEDERAL REGULATIONS:

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.

CALIFORNIA Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986: None listed

OSHA, 29 CFR 1910, Subpart Z: Does not meet criteria for a hazardous substance.

CERCLA, 40 CFR 302: No ingredient listed

SARA 302, 40 CFR 355: No ingredients are listed.

SARA 313, 40 CFR 372: Benzoyl Peroxide, CAS No. 94-36-0

SARA 311/312, 40 CFR 370: Delayed (Chronic) Health

16. Other Information

Original Preparation Date: January 19, 2015

Prepared by: KJ Pearson, West Vancouver, BC, V7W 1P3

Disclaimer: This Safety Data Sheet (SDS) was prepared using information provided by CCINFO, ingredient supplier SDS and other relevant sources. This product has been classified using weight of evidence, expert judgment and previous testing as per Part 1.3 of the Fifth Edition of The Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The information in this SDS is offered for your consideration and guidance when exposed to this product. Haigh Industries Inc. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

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Revisions: None