

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Perfex Repair Acrylic (powder)
Product Number: I3000, I3001, I3012, I3013
Chemical Name: Pigmented, Plasticized Poly
Methyl Methacrylate
Chemical Family: N/A
CAS Number: Blend

Company Identification

International Dental Products, Div. of CMP Industries LLC
413 North Pearl St
Albany, NY 12207-1311 USA
(518)-434-3147 (For product information)
(800)-424-9300 (For emergencies)
1-800-424-9300 or 1-202-483-7616 (CHEMTREC)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
PARTICULATES, NOC	< 99.0 %	SEQ-23-5
DIALKYL PHTHALATE	< 15.0 %	84-74-2
TITANIUM DIOXIDE	< 0.1 %	13463-67-7
CADMIUM PIGMENTS	< 0.1 %	7440-43-9
BENZOYL PEROXIDE	< 1.0 %	94-36-0

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

HAZARDS DISCLOSURE

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains materials that are acute hazards.

MISCELLANEOUS:

This product isn't known to cause any significant health problems in normal use.



3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
* CAUTION
*
* Dust can be irritating to respiratory tract.
* Cancer hazard.
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POTENTIAL HEALTH EFFECTS

EYE:

Can cause eye irritation.

SKIN:

Can cause skin irritation.

INHALATION:

Can cause respiratory irritation.

INGESTION:

Harmful if swallowed.

REPRODUCTIVE HAZARDS:

None.

CARCINOGENICITY INFORMATION:

Cadmium is listed by IARC and NTP as a carcinogen.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Flush eye with water for 15 minutes. Get medical attention.

SKIN CONTACT FIRST AID:

Wash affected area immediately with large amounts of soap and water. Get medical attention.

INHALATION FIRST AID:

Remove to fresh air. Get medical attention.

INGESTION FIRST AID:

Get immediate medical attention.



(section 4 continued)

NOTES TO PHYSICIAN:

Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: N/A

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

FLAMMABLE PROPERTIES:

Avoid extinguishing methods which may generate dust clouds. water stream can disperse dust into into air, producing a fire hazard and possible explosion hazard if exposed to ignition source.

EXTINGUISHING MEDIA:

Water , Carbon Dioxide and dry chemical.

FIRE & EXPLOSION HAZARDS:

Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are the same as those of coal dust. Firefighters should wear self-contained breathing apparatus.

FIRE FIGHTING INSTRUCTIONS:

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

COMBUSTION PRODUCTS:

Methacrylate & Carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction.

LARGE SPILLS PROCEDURE:

Sweep up to avoid slipping hazard. Keep airborne particulate at a minimum when cleaning up spills.

SMALL SPILLS PROCEDURE:

Same as large spill.



7. HANDLING AND STORAGE

HANDLING (PHYSICAL ASPECTS):

Store in a cool dry area. Keep container closed to prevent water absorption and contamination.

STORAGE PRECAUTIONS:

Store in a cool dry place. Keep container closed tightly to prevent absorption and contamination.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE / FACE PROTECTION REQUIREMENTS:

Wear safety glasses or chemical goggles.

SKIN PROTECTION REQUIREMENTS:

Protective gloves if hot plastic is handled.

RESPIRATORY PROTECTION REQUIREMENTS:

Use type for nuisance dust, if needed.

MISCELLANEOUS:

Use good local exhaust at processing equipment. When processing at high temperatures, the processing equipment should be well ventilated.

EXPOSURE GUIDELINES:

PARTICULATES, NOC

OSHA PEL: 15 mg/m³

OSHA TWA: 15 mg/m³

DIALKYL PHTHALATE

OSHA PEL: 5 mg/m³

OSHA TWA: 5 mg/m³

TITANIUM DIOXIDE

OSHA PEL: 15 mg/m³

OSHA TWA: 10 mg/m³

CADMIUM PIGMENTS

OSHA PEL: .2 mg/m³

OSHA TWA: .05 mg/m³

BENZOYL PEROXIDE

OSHA PEL: 5 mg/m³

OSHA TWA: 5 mg/m³



9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Powder
COLOR: Light vein or Afro
ODOR: Faint Odor
SOLUBILITY IN WATER ...: Insoluble
% VOLATILES: < 5 %

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong oxidizing agents.

DECOMPOSITION:

Decomposition produces methacrylate monomer and carbon monoxide.

CONDITIONS TO AVOID:

Heating above 300°C.

11. TOXICOLOGICAL INFORMATION

DIALKYL PHTHALATE

Test Code: LD10

Species: Rat

Results: 6 g/kg

Test Code: Acute Oral Toxicity

Species: Human

Results: 140 mg/kg caused hallucinations, distorted perceptions,
nausea, vomiting and damage to the kidneys and bladder.

Test Code: LC50

Species: Rat

Results: 4250 mg/kg

Test Code: Multiple Dosage, Oral

Description: Administered intermittently for 14 days.

Species: Rat

Results: 28 g/kg caused changes in testicular weight and death.



(section 11 continued)

Test Code: Multiple Dosage, Oral
Description: Administered continuously for 1 year.
Species: Rat
Results: 22.75 mg/kg affected food intake and caused death.

Test Code: TCLO
Species: Human
Results: 1000 mg/m³ produced cough and other changes in the lungs, thorax and respiration.

Test Code: Oral LD50
Species: Rabbit
Results: 1 g/kg

TITANIUM DIOXIDE

Test Code: Acute Dermal Exposure
Description: Intermittent exposure over 3 days.
Species: Human
Results: 300 micrograms produced mild irritation.

Test Code: Multiple Dosage, Oral
Species: S. Typhimurium
Results: 100 micrograms/plate caused mutation.

CADMIUM PIGMENTS

Test Code: LC50
Species: Human
Results: 39 mg/kg/20 min. produced cardiac changes, thrombosis and respiratory depression.

Test Code: TCLO
Description: 6 hour doses over 2 yrs.
Species: Rat
Results: 250 mg/kg produced tumors in the thorax and respiratory tract.

Test Code: Oral LD50
Species: Rat
Results: 225 mg/kg

Test Code: LCLO
Description: Over 20 years.
Species: Woman
Results: 129 micrograms/m³ produced lung tumors.

BENZOYL PEROXIDE

Test Code: Oral LD50
Species: Rat
Results: 7710 mg/kg



(section 11 continued)

Test Code: TCLO
Description: Over 8.6 years.
Species: Man
Results: 88 micrograms/m³ caused ureter toxicity with protein in the urine.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

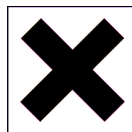
This product contains Dialkyl Phthalates. Incinerate material in accordance with all local, state/provincial, and national regulations.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: Perfex Repair Acrylic (powder)
D.O.T. SHIPPING NAME: N/A
TECHNICAL SHIPPING NAME ...: N/A
D.O.T. HAZARD CLASS: N/A
UN NUMBER: N/A

15. REGULATORY INFORMATION

EEC Symbols and Indications of Danger:
Irritant (Xi)



R-Phrases:

R38 - Irritating to skin.

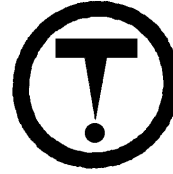
S-Phrases:

S3 - Keep in a cool place.
S8 - Keep container dry.

WHMIS Hazard Symbols:

Class B - Flammable and Combustible Material, Class D2 - Materials Causing Other Toxic Effects





Canadian Disclosure List

DIALKYL PHTHALATE (84-74-2)
CADMIUM PIGMENTS (7440-43-9)
BENZOYL PEROXIDE (94-36-0)

SARA Title III - Section 313

DIALKYL PHTHALATE (84-74-2)
CADMIUM PIGMENTS (7440-43-9)
BENZOYL PEROXIDE (94-36-0)

CERCLA Hazardous Substances

DIALKYL PHTHALATE (84-74-2) -- RQ 10 lb
CADMIUM PIGMENTS (7440-43-9) -- RQ 10 lb

RCRA Hazardous Substances

DIALKYL PHTHALATE (84-74-2) -- RCRA Code: U069
CADMIUM PIGMENTS (7440-43-9) -- RCRA Code: D006

Title V

DIALKYL PHTHALATE (84-74-2)
CADMIUM PIGMENTS (7440-43-9)
BENZOYL PEROXIDE (94-36-0)

SC Toxic Air Pollutants List

DIALKYL PHTHALATE (84-74-2)
CADMIUM PIGMENTS (7440-43-9)

16. OTHER INFORMATION

REASON FOR ISSUE ...: Add current date to MSDS
PREPARED BY: Phyll Tabone
APPROVED BY: Abdul Khan
TITLE: Q. C. Manager
APPROVAL DATE: November 1, 2005
SUPERCEDES DATE: November 1, 2005
MSDS NUMBER: 541
RTN NUMBER: 00000272 (Official Copy)



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