

SAFETY DATA SHEETS

This SDS packet was issued with item:

071514348

N/A

Material Safety Data Sheet

SECTION I - General Information

TRADE NAME & SYNONYMS: **.020" Coping Material**

MANUFACTURER'S NAME: Buffalo Dental Mfg. Co., Inc. (Dist)

ADDRESS: 159 Lafayette Drive, Syosset, NY 11791

DESCRIPTION: .020" x 5" x 5" Polypropylene Sheets

ITEM #'s: 31720, 31725, 31730

EMERGENCY TEL #: 516-496-7200

DATE OF UPDATE: 03/25/13

PREPARED BY: MSDS Dept.

INFORMATION TEL #: 516-496-7200

DISCLAIMER: The information in this MSDS is based on information supplied by the vendor of the products and components involved.

SECTION II - Hazardous Ingredients

NA

Section III - Physical/Chemical Characteristics

BOILING POINT: NA

SPECIFIC GRAVITY (H2O=1): .904

VAPOR PRESSURE: NA

MELTING POINT: Softens at elevated temperatures

VAPOR DENSITY: NA

EVAPORATION RATE: NA

SOLUBILITY IN WATER: Not water soluble

APPEARANCE AND ODOR: Translucent clear plastic

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): NA

FLAMMABLE LIMITS: NA LEL: NA UEL: NA

EXTINGUISHING MEDIA: CO2, Dry Chemical, Water

SPECIAL FIRE FIGHTING PROCEDURES: Avoid inhalation of smoke. Use self-contained breathing apparatus when fighting fires in areas with restricted ventilation.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual hazards. Carbon dioxide, carbon monoxide and undefined organics can be formed on combustion.

Section V - Reactivity Data

STABILITY (choose one): () UNSTABLE (X) STABLE

CONDITIONS TO AVOID: Excessive Heat

INCOMPATIBILITY (MATERIALS TO AVOID): NA

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide and undefined organics.

HAZARDOUS POLYMERIZATION (choose one): () MAY OCCUR (X) WILL NOT OCCUR

CONDITIONS TO AVOID: Excessive heat

Section VI - Health Hazard Data

CARCINOGENICITY?: No

NTP?: No

IARC?: No

OSHA Regulated?: No

EFFECTS AND HAZARDS OF OVEREXPOSURE (Acute and Chronic):

EYE CONTACT: Not likely

SKIN CONTACT: If burned by contact with molten material, use standard therapeutic procedures for thermal burns.

INHALATION (Breathing): NA

INGESTION: May cause a choking sensation and nausea

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with water. SKIN: Treat as a thermal burn. BREATHING: NA INGESTION: Consult physician.

Section VII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Wipe up with towels and dispose of in a suitable container.

WASTE DISPOSAL METHOD: In accordance with federal, state and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store at normal room temperatures and humidity

OTHER PRECAUTIONS: Heat on vacuum forming machine to point at which ripples occur. Heat with cloudy side facing upwards. Overheating may result in fire or fumes.

Section VIII - Special Protection Information

RESPIRATORY PROTECTION (SPECIFY TYPE): NA

LOCAL EXHAUST: NA

MECHANICAL (GENERAL): NA Use in a well ventilated area.

SPECIAL: NA

OTHER: NA

PROTECTIVE GLOVES: Suggested. Chemical resistant gloves- Personnel should wash thoroughly after handling.

EYE PROTECTION: Safety Glasses required.

OTHER PROTECTIVE EQUIPMENT: Lab Coat to protect clothing. Face shield recommended

WORK AND HYGIENIC PRACTICES: Use good personal hygiene

Section IX - Other

CAS = Chemical Abstract Number

OSHA = Occupational Safety and Health Admin.

PEL = Permissible Exposure Limit

TSCA = Toxic Substance Control Act

SARA = Superfund Amendments & Reclamation Act

TWA = Time Weighted Average

VOC = Volatile Organic Chemical

N/E = Not Established

PPM = Parts Per Million

NDA = No Data Available

NA = Not Applicable



Safety Data Sheet

Issue Date: 25-Mar-2013

Revision Date: 18-Apr-2014

Version 1

1. IDENTIFICATION

Product Identifier

Product Name X-Ray Rapid Developer-Powder

Other means of identification

SDS # BDM-015

Product Code 33800

UN/ID No UN2811

Recommended use of the chemical and restrictions on use

Recommended Use X-ray rapid developer (powder part).

Details of the supplier of the safety data sheet

Supplier Address

Buffalo Dental Manufacturing Co. Inc.

159 Lafayette Drive

Syosset NY 11791

Emergency Telephone Number

Emergency Telephone INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

Company Phone Number 516-496-7200

800-828-0203

2. HAZARDS IDENTIFICATION

Appearance Off-white powder or white
needle-like crystals

Physical State Liquid

Odor Essentially odorless

Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 3
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Germ cell mutagenicity	Category 2

Signal Word

Danger

Hazard Statements

Harmful if swallowed

Toxic in contact with skin

Causes serious eye damage

May cause an allergic skin reaction

Suspected of causing genetic defects

**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
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a poison center or doctor/physician
IF ON SKIN: Wash with plenty of soap and water
Call a poison center or doctor/physician if you feel unwell
Remove/Take off immediately all contaminated clothing
Wash contaminated clothing before reuse
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Very toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Hydroquinone	123-31-9	Proprietary

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. Call a physician if you feel unwell.
Inhalation	Remove to fresh air. Call a physician.
Ingestion	Rinse mouth. Induce vomiting, but only if victim is fully conscious. Call a poison center or doctor/physician if you feel unwell.

Most important symptoms and effects

Symptoms	May cause an allergic skin reaction. May cause eye burns and permanent eye damage.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Dry chemical. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

High concentrations of dust in air may present a fire or dust explosion hazard.

Hazardous Combustion Products Carbon oxides.

Protective equipment and precautions 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

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective equipment as required.
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Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Use personal protection recommended in Section 8. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Avoid breathing dust or fume.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Store away from incompatible materials. Do not reuse container.

Incompatible Materials

Strong oxidizing agents. Strong bases. Oxygen. Ferric salts.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydroquinone 123-31-9	TWA: 1 mg/m ³	TWA: 2 mg/m ³ (vacated) TWA: 2 mg/m ³	IDLH: 50 mg/m ³ Ceiling: 2 mg/m ³ 15 min

Appropriate engineering controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Safety glasses with side shields, goggles and/or a face shield.

Skin and Body Protection

Wear suitable gloves. Wear long sleeved lab coat.

Respiratory Protection

Use a NIOSH approved respirator where adequate ventilation cannot be provided for toxic dusts.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Essentially odorless
Appearance	Off-white powder or white needle-like crystals		
Color	White or off-white	Odor Threshold	Not determined
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	Not determined		
Melting Point/Freezing Point	172-175 °C / 342-347 °F		
Boiling Point/Boiling Range	285 °C / 545 °F		
Flash Point	165 °C / 329 °F	Open cup	
Evaporation Rate	Not applicable		
Flammability (Solid, Gas)	Possible dust explosion		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	1 mm Hg	@ 329 °C (Air=1)	
Vapor Density	3.81		
Specific Gravity	1.33		
Water Solubility	Moderately soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	498 °C / 928 °F		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		
Density	1.33 g/cm ³		

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Light. Product is air sensitive. Discolors in air.

Incompatible Materials

Strong oxidizing agents. Strong bases. Oxygen. Ferric salts.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Eye Contact	Causes serious eye damage.
Skin Contact	Toxic in contact with skin. May cause an allergic skin reaction.
Inhalation	Avoid inhalation of dust.
Ingestion	Harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydroquinone 123-31-9	= 320 mg/kg (Rat)	> 900 mg/kg (Rat)	-

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	Suspected of causing genetic defects.
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydroquinone 123-31-9	A3	Group 3		

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Hydroquinone 123-31-9	13.5: 120 h <i>Desmodesmus subspicatus</i> mg/L EC50 0.335: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	0.044: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 0.044: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 0.1 - 0.18: 96 h <i>Pimephales promelas</i> mg/L LC50 static 0.17: 96 h <i>Brachydanio rerio</i> mg/L LC50	EC50 = 0.038 mg/L 15 min EC50 = 0.0382 mg/L 30 min EC50 = 0.042 mg/L 5 min EC50 = 23.75 mg/L 60 min	0.29: 48 h <i>Daphnia magna</i> mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Hydroquinone 123-31-9	0.5

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

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

Contaminated Packaging

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

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No UN2811
Proper Shipping Name Toxic solid, organic, n.o.s. (Hydroquinone)
Hazard Class 6.1
Packing Group III

IATA

UN/ID No UN2811
Proper Shipping Name Toxic solid, organic, n.o.s. (Hydroquinone)
Hazard Class 6.1
Packing Group III

IMDG

UN/ID No UN2811
Proper Shipping Name Toxic solid, organic, n.o.s. (Hydroquinone)
Hazard Class 6.1
Packing Group III
Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION**International Inventories**

Not determined

US Federal Regulations**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Hydroquinone 123-31-9	100 lb	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Hydroquinone - 123-31-9	123-31-9	Proprietary	1.0

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Hydroquinone 123-31-9	X	X	X

16. OTHER INFORMATION**NFPA****Health Hazards**

Not determined

Flammability

Not determined

Instability

Not determined

Special Hazards

Not determined

HMIS**Health Hazards**

Not determined

Flammability

Not determined

Physical Hazards

Not determined

Personal Protection

Not determined

Issue Date: 25-Mar-2013**Revision Date:** 18-Apr-2014**Revision Note:** New format**Disclaimer**

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet