

SAFETY DATA SHEET

1. PRODUCT INFORMATION

Controlled Product Identifier: Ortho Cleaner

Manufacturer/Distributor
MID CONTINENTAL DENTAL LTD.
242 Alboro St
Headingley, MB
R4J 1A4

Product Use: Orthodontic Cleanser, non disinfecting.

2. HAZARD(S) IDENTIFICATION

Acute toxicity, Category 4 H302: Harmful if swallowed.
Skin corrosion, Category 1B H314: Causes severe skin burns and eye damage.

2.1

Hazard pictograms :



Signal word : Danger

Hazard statements : H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

Precautionary statements : Prevention:

P262 Do not get in eyes, on skin, or on clothing.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

2.2 Other hazards

This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

3. COMPOSITION:

Oxidizing Salt* 60-80% vol/vol

Non-Toxic Salt

WHMIS Class C

4. FIRST AID MEASURES

In case of contact, immediately flush eyes with plenty of water for at least 30 minutes. Call a physician immediately. Flush skin with water for at least 30 minutes. Remove contaminated clothes, shoes and leather goods in the event of contact with the skin and call a physician immediately. Wash clothing before reuse.

If swallowed, lean forward to reduce the risk of aspiration and do not induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person.

5. FIRE AND EXPLOSION DATA

FLASH POINT: Will not burn

EXTINGUISHING MEDIA: Water

COMBUSTION: Oxides of sulphur are hazardous combustion products.

6. PREVENTIVE MEASURES

- 1) Avoid contact with eyes, skin, and clothing
- 2) Avoid breathing the dust
- 3) Wash thoroughly after handling

Personal Protective Equipment

FOR EXPOSURE TO DRY MATERIAL:

Eye/Face Protection:

Wear safety glasses or coverall chemical splash goggles.

Respirators:

Use a positive pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

Protective Clothing:

Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants and jacket.

FOR EXPOSURE TO SOLUTIONS:

Eye/Face Protection:

Wear coverall chemical splash goggles. Additionally wear a face shield where the possibility exists for face contact due to splashing or spraying of material.

Respirators:

Use a positive pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

Protective Clothing:

Where there is potential for skin contact, wear impervious clothing such as gloves, apron, boots or whole bodysuit.

SPILL, LEAK OR RELEASE PROCEDURE:

Sweep up. Flush area with low pressure water.

7. HANDLING AND STORAGE

Store in a dry, cool, well-ventilated area away from ignition sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values. See section 6 for personal protective equipment information.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 1) Not Volatile
- 2) Form: Solid
- 3) Color: White
- 4) Appearance: Granular; Free Flowing
- 5) Odor: Odorless
- 6) Vapor Pressure: Nil
- 7) Melting Point: Decomposes

10. STABILITY AND REACTIVITY DATA

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

no data available

Conditions to avoid

no data available

Materials to avoid

Strong bases, Acids, Bases, Powdered metals, Strong oxidizing agents, Organic materials, Alcohols, acids, phosphorous, Halogens, Anhydrides, Phosphorus, Strong reducing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides, Potassium oxides, Magnesium oxide

Other decomposition products - no data available.

11. TOXICOLOGICAL PROPERTIES

PRINCIPAL HEALTH HAZARDS: Skin contact with aqueous solutions or the dry powder upon contact with moisture or perspiration may cause irritation possibly progressing to more serious conditions.

Skin contact with the product may cause allergic skin reactions in sensitive individuals. Human patch tests with the product diluted in water at concentrations up to 160 ppm did not cause allergic skin reaction. An ingredient in the product is also corrosive to the skin.

Eye contact may cause eye corrosion or ulceration. Severe eye damage may result if not immediately treated (see First Aid Measures).

It did not produce genetic damage in tests on animals, but showed some evidence of bone marrow cell toxicity in female mice *in vitro*.

Inhalation may cause nose bleeds and irritation of the upper respiratory passages with coughing and discomfort. Ingestion may cause gastritis possibly progressing to more serious conditions.

12. ECOLOGICAL INFORMATION

Ortho Cleaner has a low order of toxicity demonstrated by its ORAL LD50.

ORAL LD50: Oral-rat LD50 > 500 mg/kg for the oxidizing salt*.

LETHAL DOSAGE: A 150 lb person would have to ingest 159 g to 632 g for a possible lethal dose.

CARCINOGENICITY: Not listed as a carcinogen by IARC, NTP, OSHA, ACGIH.

13. DISPOSAL INFORMATION

Never dispose of the product in ordinary garbage or down dinks or drains that connect to sanitary or storm sewers but dispose of them through hazardous waste collection and disposal companies. Waste should be disposed of according to the environmental laws that apply to your jurisdiction.

14. TRANSPORT INFORMATION

Packing Group II, hazard class 8.

15. REGULATORY INFORMATION

None specific.

16. OTHER INFORMATION

Date of Preparation: November 22, 2015

Prepared By: Safety Department

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EMERGENCY PHONE NUMBER:

1-204-888-5031

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