

Material Safety Data Sheet

Dentin Cleanser Solution Sodium Hydroxide Solution with 20% Ethanol

Section 1 – Product and Company Identification

- 1.1 Product Name: Dentin Cleanser
- 1.2 Catalog Number: KOM-KIT-001
- 1.3 Synonyms: Dentin Cleanser; Cleanser Bottle
- 1.4 Product Use: Dentin Cleanser Solution is used as an effective disinfectant to remove organic matter from dentin particulate without degrading the mineral makeup of the dentin.

Available size/quantity: 5ml bottle.

- 1.5 Manufacturer/Supplier: KometaBio Inc.
51 6th Street
Cresskill, NJ USA 07626
- 1.6 Contact Phone number: +1 (201) 286-7436

Section 2 – Composition / Information on Ingredients

2.1

Ingredient	Unit	CAS#	EC#
0.5 N NaOH	4 ml	1310-73-2	None
80% Ethanol	1 ml		None

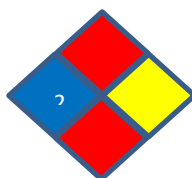
2.2 Form: Clear Liquid Solution

2.3 Use of Substance: For Clinical use only. To be handled by medical professionals and medical staff only.

HMIS

Health	2	
Flammability	0	
Reactivity	0	
Personal Protection		

NEPA



- 2.4 Precautionary Measures to Minimize Risks and Potential Hazards:
- 2.4.1 Work according to internationally accepted safety standards and protocols.
 - 2.4.2 Do not handle the product until all safety precautions have been read and understood.
 - 2.4.3 Read the product labels and/or product insert.
 - 2.4.4 Use the necessary personal protection equipment as required before coming in to contact with the product.
 - 2.4.5 Keep away from heat/hot surfaces/sparks/open flames. No smoking.
 - 2.4.6 Use explosion-proof electrical/lighting/ventilation equipment.
 - 2.4.7 Use only in well ventilated areas.
 - 2.4.8 Dispose of any chemical residues, spills or accompanying waste property.
 - 2.4.9 Wash hands thoroughly after handling.
 - 2.4.10 Use of product by authorized and trained personnel only.

Section 3 – Hazards Identification

3.1	Emergency Overview:	This product may cause irritation to eyes, skin and respiratory. This product may also be harmful if ingested. Complete toxicological properties have yet to be determined.
3.2	Routes of Exposure	Absorbed through skin, eye contact, and ingestion.
3.3	Potential Health Effects:	
	3.3.1 Eye:	Causes eye irritation
	3.3.2 Skin:	May cause skin irritation
	3.3.3 Inhalation:	Not applicable
	3.3.4 Ingestion:	Harmful if swallowed.
3.4	Chronic Effects/Carcinogenicity	Not available
3.5	OSHA Regulatory Status:	Not available

Section 4 – First Aid Measures

4.1	Eyes:	In case of contact with eyes, flush thoroughly with water for 15 minutes. Remove contact lenses if present and easy to do. Contact a physician if irritation persists.
4.2	Skin:	In case of contact with skin, wash the affected area with conscious amounts of soap and water. Contact a physician if irritation persists.
4.3	Ingestion:	If swallowed, wash out mouth with water provided person is conscious. Consult a physician.
4.4	Inhalation:	If inhaled, remove person to fresh air. If breathing becomes difficult, contact a physician.
4.5	Puncture wounds:	Wash thoroughly with water. Allow to bleed freely. Contact a physician.
4.6	Note to physician	Not applicable.

Section 5 – Fire Fighting Measures

5.1	Flash Point/Method:	Not available
5.2	Explosive Limits:	
	5.2.1 Upper:	Not available
	5.2.2 Lower:	Not available
5.3	Autoignition Temperature:	Not available
5.4	Hazardous Combustion Products:	Not available
5.5	Conditions of Flammability:	Not available
5.6	Extinguishing Media:	Water spray, dry chemical, or appropriate foam.
5.7	Fire Fighting Procedures:	Not available
5.8	Explosion Data:	
	5.8.1 Sensitivity to Mechanical Impact	Not available
	5.8.2 Sensitivity to Static Discharge	Not available

Section 6 – Accidental Release Measures

6.1	Leak and Spill Procedures:	Wear chemical-resistant gloves. Avoid breathing vapors. Ensure proper ventilation. Absorb spill with inert absorbent and place in closed container or hazardous waste bin for disposal. Wash area after cleaning thoroughly after clean-up is completed.
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Section 7 – Handling and Storage

7.1	Handling:	Should be handled by trained personnel. Keep bottles tightly sealed.
7.2	Storage:	Store at 5-30 degrees Celsius. Keep in a dry and well ventilated place. Dispose after usage.

Section 8 – Exposure Controls/Personal Protections

8.1	Engineering Controls:	Use with adequate ventilation.
8.2	Personal Protective Equipment:	
	8.2.1 Respiratory Protection:	Not applicable.
	8.2.2 Eye Protection:	Safety glasses.
	8.2.3 Skin Protection:	Lab coat, gloves.
8.3	General Hygiene Considerations:	Wash hands with soap and water after use.
8.4	Exposure Limits:	
	8.4.1 ACGIH TLV-TWA	Not available
	8.4.2 OSHA PEL-TWA	Not available

Section 9 – Physical/Chemical Properties

9.1	Appearance:	Clear solution
9.2	Odor:	Slight alcoholic odor
9.3	Physical State:	Liquid
9.4	pH:	9.75 – 10.45
9.5	Boiling Point:	~ 100 degrees Celsius
9.6	Melting Point:	Not applicable
9.7	Freezing Point:	Not data available
9.8	Vapor Pressure:	Not applicable
9.9	Vapor Density:	Not applicable
9.10	Specific Gravity:	Not applicable
9.11	Evaporation Rate:	Not applicable
9.12	Solubility in Water:	Not applicable
9.13	Odor Threshold:	Not applicable
9.14	Coefficient of Water/Oil Distribution:	Not applicable

Section 10 – Stability / Reactivity

10.1	Chemical Stability:	Stable under recommended storage specs
10.2	Conditions to Avoid:	Not available
10.3	Incompatibility (Material to avoid):	Oxidizing agent. Alkali.
10.4	Hazardous Decomposition/By-Product:	Not available
10.5	Hazardous Polymerization:	Not available

Section 11 – Toxicological Information

11.1	Effects of Short Term Exposure:	Not available
11.2	Effects of Long Term Exposure:	Not available
11.3	Irritancy of Product:	Not available
11.4	Sensitization of Product:	Not available
11.5	Carcinogenicity:	Not available
11.6	Reproductive Toxicity:	Not available
11.7	Teratogenicity and Embryotoxicity:	Not available
11.8	Mutagenicity:	Not available
11.9	Name of Toxicologically Synergistic Products:	Not available
11.10	LD50 (specify species and route):	Not available
11.11	LC50 (specify species):	Not available

Section 12 – Ecological Information

12.1 Not available

Section 13 – Disposal Considerations

13.1	Waste Disposal Method:	Disposal should be in line with existing practices at your institution/clinic. Observe all federal, provincial, and local laws. Offer surplus and non-recyclable solutions to a licensed disposal company.
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Section 14 – Transport Information

- 14.1 Transport Canada
14.1.1 PIN No.: : Not available
- 14.2 U.S. Department of Transportation:
14.2.1 Proper Shipping Name: Sodium Hydroxide Solution
14.2.2 Hazard Class: 8
14.2.3 ID. Number: Not available
14.2.4 Packing Group III
14.2.5 Label Statement Not available

Section 15 – Regulatory Information

- 15.1 WHMIS Classification: Not available
15.2 SARA 302/313: No reporting requirement.
15.3 **Note:** This MSDS was prepared according to Regulation (EC) No. 1907/2006 and contains all the information required by these regulations.

Section 16 – Other Information

- 16.1 Prepared by: Quality Assurance.
16.2 Preparation Information: Refer to internal pharmacological reports.
16.3 This MSDS has been revised in the following section(s): NA
16.4 Original Issue Date: September 4th, 2015
16.5 Notice: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. KometaBio Inc. shall not be held liable for any damage resulting from handling or from contact with the product. The information contained in this Material Safety Data Sheet (MSDS) is current as of the Date Prepared shown in Section 16.4 of this document and may be subject to amendment by KometaBio Inc.
16.6 **Disclaimer: THIS PRODUCT IS FOR CLINICAL USE ONLY BY PROFESSIONALLY TRAINED MEDICAL PERSONNEL.**