

REVISION DATE 15/01/2013

MATERIAL SAFETY DATA SHEET

TOKUSO CERAMIC PRIMER A

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	TOKUSO CERAMIC PRIMER A
PRODUCT USE	Dental Cement, a component of kit. For dental professionals only.
SUPPLIER	Tokuyama Dental America Inc. Tel: (877) 378 3548 (Toll-Free)
MANUFACTURER	Tokuyama Dental Corporation 38-9, Taitou 1-chome, Taitou-ku, Tokyo, Japan TEL: +81-3-3835-7201
CONTACT PERSON	http://www.tokuyama-dental.com/contact.htm
EMERGENCY TELEPHONE	Washington National Capital Poison Center 3201 New Mexico Avenue, Suite 310 Washington, DC 20016 Telephone: +1 202 362 3867 Emergency telephone: 1 800 222 1222 Fax: +1 202 362 8377 E-mail: pc@poison.org Web site: http://www.poison.org San Francisco California Poison Control System at San Francisco General Hospital University of California San Francisco, Box 1369 1001 Potrero Avenue, Bldg 5 Rm 2A21 San Francisco, California 94143-1369 Telephone: +1 415 643 3200 Emergency telephone: 1 800 222 1222 Fax: +1 415 502 6010 E-mail: coadmin@calpoison.org Web site: http://www.calpoison.org http://www.who.int/ipcs/poisons/centre/en/

2 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

INHALATION

Irritating to respiratory system.

INGESTION

Irritating. : DIGESTIVE SYSTEM.

SKIN CONTACT

Irritating. Product has a defatting effect on skin. Prolonged contact may cause redness and irritation.

EYE CONTACT

Irritating and may cause redness and pain.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %
ETHANOL	200-578-6	64-17-5	80-100%
γ-methacryloxy propyl trimethoxy silane	219-785-8	2530-85-0	1-5%

4 FIRST-AID MEASURES

GENERAL INFORMATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION

Move the exposed person to fresh air at once.

REVISION DATE 15/01/2013

TOKUSO CERAMIC PRIMER A**INGESTION**

Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention if any discomfort continues.

SKIN CONTACT

Wash the skin immediately with soap and water.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

5 FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA**

Fire can be extinguished using: Foam. Carbon dioxide or dry powder.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapors.

SPECIFIC HAZARDS

When heated and in case of fire, irritating vapours/gases may be formed.

PROTECTIVE MEASURES IN FIRE

Wear full protective clothing.

AUTO IGNITION TEMPERATURE 423°C
(°C)

FLAMMABILITY LIMIT - LOWER(%) 3.3

FLAMMABILITY LIMIT - UPPER(%) 19

FLASH POINT (°C) 14°C

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this material safety data sheet.

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers.

7 HANDLING AND STORAGE**HANDLING**

All handling to take place in well-ventilated area.

STORAGE

Store in a cool, dark place (0-25°C, 32-77°F). Keep away from heat, direct sunlight, sparks and open flames.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
ETHANOL	PEL	1000 ppm	1900 mg/m3			
COMPONENT						IDLH
ETHANOL						3300 ppm

PROTECTIVE EQUIPMENT

REVISION DATE 15/01/2013

TOKUSO CERAMIC PRIMER A**ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation.

HAND PROTECTION

Wear protective gloves.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOR	Colorless
ODOR	Slight odor , Characteristic
BOILING POINT (°C)	78°C
pH-VALUE, CONC. SOLUTION	< 7
FLASH POINT (°C)	14°C

10 STABILITY AND REACTIVITY**STABILITY**

HIGHLY FLAMMABLE!

CONDITIONS TO AVOID

Keep away from heat, sparks and open flame. Protect against direct sunlight.

MATERIALS TO AVOID

Strong oxidizing agents. Water. Acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Toxic gases are generated when heated.

11 TOXICOLOGICAL INFORMATION**TOXICOLOGICAL INFORMATION**

No data on possible toxic effects have been found.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

No data on possible environmental effects have been found.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME	ADHESIVES, CONTAINING A FLAMMABLE LIQUID
TDG SHIPPING NAME	ADHESIVES, CONTAINING A FLAMMABLE LIQUID
IDENTIFICATION No.	1133

REVISION DATE 15/01/2013

TOKUSO CERAMIC PRIMER A

TUNNEL RESTRICTION CODE	(D/E)
CEPIC TEC(R) NO.	30GF1-I+II, 30GF1-sp
DOT HAZARD CLASS	3
DOT PACKING GROUP	II
U.S DOT HAZARD LABEL	Flammable Liquid
UN NO. SEA	1133
IMDG CLASS	3
IMDG PACK GR.	II
EMS	F-E, S-D
UN NO. AIR	1133
ICAO CLASS	3
AIR PACK GR.	II
TDG CLASS	3
TDG LABEL(S)	3
TDG PACKING GROUP	II

15 REGULATORY INFORMATION

INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
ETHANOL	No.	No.	EINECS					

COMPONENT	TSCA 12(b) Export Notification
ETHANOL	No.

US FEDERAL REGULATIONS

COMPONENT	SARA 302-TPQ	CERCLA-RQ	SARA 313
ETHANOL	Not Listed	Not Listed	No.

CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
ETHANOL	Not Listed

US STATE REGULATIONS

COMPONENT	CAS	CA	FL	MA	MN	NJ	PA	RI
ETHANOL	64-17-5	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

REGULATORY REFERENCES

29 CFR 1910. 1200(g) Federal Regulations (OSHA Standard).

16 OTHER INFORMATION

REVISION DATE 15/01/2013

DISCLAIMER

The information which is contained in this document is based on available data. However, as such has been obtained from various sources, including independent laboratories, it is given without warranty or representation that is complete, accurate and can be relied upon. Tokuyama Dental Corp. has not attempted to conceal in any way the deleterious aspects of the product listed herein, but makes no warranty as to such.