

REVISION DATE 15/01/2013

MATERIAL SAFETY DATA SHEET

ONE-UP BOND F Plus Bonding Agent A

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

PRODUCT NAME	ONE-UP BOND F Plus Bonding Agent A		
PRODUCT USE	Dental Adhesive. 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	<p>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</p> <p>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</p> <p>http://www.who.int/ipcs/poisons/centre/en/</p>		

2 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

INHALATION

Irritating to respiratory system.

INGESTION

Slightly irritating. : DIGESTIVE SYSTEM.

SKIN CONTACT

Irritating to skin. Product has a defatting effect on skin. May cause sensitization by skin contact.

EYE CONTACT

Irritating and may cause redness and pain.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %
11-methacryloxy-1,1-undecanedicarboxylic acid (MAC-10)		108362-85-2	10-30%
bisphenol A polyethoxy dimethacrylate		41637-38-1	10-30%
dibutyl hydroxy toluene	204-881-4	128-37-0	< 1%
methacryloxyalkyl acid phosphate (phosphoric acid monomer)	258-053-2	52628-03-2	30-60%
METHYL METHACRYLATE	201-297-1	80-62-6	5-10%

4 FIRST-AID MEASURES

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ONE-UP BOND F Plus Bonding Agent A**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.

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.

FLASH POINT (°C) 33.0°C

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

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

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

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. Do not contaminate water sources or sewer.

7 HANDLING AND STORAGE**HANDLING**

All handling to take place in well-ventilated area.

STORAGE

Store under refrigerated conditions at temperatures between 0 to 10°C (32 to 50°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
METHYL METHACRYLATE	PEL	100 ppm	410 mg/m3			
METHYL METHACRYLATE	ACGIH	50 ppm		100 ppm		A4, Sen
COMPONENT						IDLH
METHYL METHACRYLATE						1000 ppm

ACGIH=American Conference of Governmental Industrial Hygienists.

A4: Not Classifiable as a Human Carcinogen.

SEN: Sensitizer.

PROTECTIVE EQUIPMENT

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ONE-UP BOND F Plus Bonding Agent 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	Light (or pale) Yellowish
ODOR	Characteristic
RELATIVE DENSITY	1.17
pH-VALUE, CONC. SOLUTION	< 7
FLASH POINT (°C)	33.0°C

10 STABILITY AND REACTIVITY**STABILITY**

FLAMMABLE.

CONDITIONS TO AVOID

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

MATERIALS TO AVOID

Strong oxidizing agents.

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

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DOT PROPER SHIPPING NAME	ADHESIVES, CONTAINING A FLAMMABLE LIQUID
TDG SHIPPING NAME	ADHESIVES, CONTAINING A FLAMMABLE LIQUID
IDENTIFICATION No.	1133
TUNNEL RESTRICTION CODE	(D/E)
CEPIC TEC(R) NO.	30GF1-III, 30GF1-sp
DOT HAZARD CLASS	3
DOT PACKING GROUP	III
U.S DOT HAZARD LABEL	Flammable Liquid
UN NO. SEA	1133
IMDG CLASS	3
IMDG PACK GR.	III
EMS	F-E, S-D
UN NO. AIR	1133
ICAO CLASS	3
AIR PACK GR.	III
TDG CLASS	3
TDG LABEL(S)	3
TDG PACKING GROUP	III

15 REGULATORY INFORMATION

INVENTORIES

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

COMPONENT	TSCA 12(b) Export Notification
METHYL METHACRYLATE	No.

US FEDERAL REGULATIONS

COMPONENT	SARA 302-TPQ	CERCLA-RQ	SARA 313
METHYL METHACRYLATE	Not Listed	1 000 lbs	1.0 %

CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
METHYL METHACRYLATE	Not Listed

US STATE REGULATIONS

COMPONENT	CAS	CA	FL	MA	MN	NJ	PA	RI
METHYL METHACRYLATE	80-62-6	Not Listed	Yes.	Yes.	Yes.	Yes.	Yes.	Yes.

REGULATORY REFERENCES

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

16 OTHER INFORMATION

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