A DENTAL CORPORATION

MATERIAL SAFETY DATA SHEE

rding to 91/155/EEC and OSHA regulation 29 CFR 1910.1200(g))

Identification of

i. Idelitilication of substance	DStalice
Product name	TOKUYAMA REBASE II POWDER
Description of product	Description of product Denture relining material, for dental professionals only.
Manufacturer	Tokuyama Dental Corporation 38-9, Taitou1-chome, Taitou-ku, Tokyo, Japan
EC representative (Emergency Contact in EU)	Tokuyama Europe GmbH Oststrasse 10, 40211 Düsseldorf, Germany TEL: +49 211 1754480 FAX: +49 211 357379
North America	Tokuyama America, Inc. California Tel: (650) 571 8872 Tel: (877) 378 3548 (Dental Toll-Free)

Composition/Data on components

	,				
5mg/m³	R:2-7-36-43 5mg/m³	E,Xi	94-36-0	Trace	Benzoyl peroxide
N/E			-	99	Polyethyl methacrylate
OSHA PEL	Cas.No. Symbols R-phrases OSHA PEL	Symbols	Cas.No.	%	Ingredients

3. Hazard identification

Repeated prolonged contact may cause skin inflammation.

4. First aid measures

After skin contact	Wash with soap and plenty of water.
After eye contact	Wash immediately with plenty of water. Get medical attention.
After swallowing	Induce vomiting immediately. Get medical attention.

Fire fighting measures

Suitable extinguishing media	Suitable extinguishing media Chemical foam, carbon dioxide or dry chemical.
Media not to be used None	None
Combustion products and resulting gases	Combustion products and I rritant gas may be released during heating or in case of resulting gases fire.
Special precaution for firefighters	Special precaution for Use protective clothing and a self-contained breathing firefighters apparatus.

Accidental release measures

Methods for cleaning up Clean up with an inert absorbent	Environmental protection Not required.	Personal protection Not required.
p with an inert absorbent.	uired.	uired.

Handling and storage

Handling	Use in a well ventilated place.
Storage	Store in a cool, dark place (0°C-25°C).
8. Exposure controls	Exposure controls/personal protection

In general	Not required.
Respiration protection	Not required.
Hand protection	Wear suitable protective gloves.
Eye protection	Wear suitable protective glasses.
Skin protection	Wear suitable protective clothing.

9. Physical and chemical properties

		•	
	Others	N/A	Autoflammability
N/A	Partition coefficient	None	Flammability
N/A	Solubility (Solvent)	N/A	Flash point
None	Solubility (Water)	N/A	Melting point
N/A	Relative density	None	Boiling point
N/A	Vapor pressure	N/A	PH
N/A	Oxidizing properties	None	Odor
N/A	Explosive properties	Powder, pink tint	Appearance

Stability and reactivity

Conditions to avoid	Conditions to avoid Heat, sparks and open flames.
Materials to avoid	Strong oxidizing agents.
Hazardous reactions	Hazardous reactions Incomplete thermal decomposition may cause toxic gases
11. Toxicological information	information
Inhalation	No irritating effect.
Ingestion	
Skin contact	Repeated prolonged contact may cause inflammation
Eye contact	Slight irritation.

Others

Carcinogenicity

I Z

Special precaution for firefighters

Media not to be used

None

Combustion products and Irritant gas may be released during heating or in case of resulting gases

Use protective clothing and a self-contained breathing apparatus.

Suitable extinguishing media | Chemical foam, carbon dioxide or dry chemical

12. Ecological information

Biodegradability	N/A
Bioaccumulative	N/A
Aquatic toxicity	N/A
Others	

13. Disposal consideration

Disposal must be made according to federal, state and local regulations

Transport information

Proper shipping name	
UN number	
Classification	
Packing group	Not subject to this section.
Air transport	
Sea transport	
Inland transport	

15. Regulatory information

o	ဟု	꾸	Sy	င္ပ	Ž,
Others	S-phrases	R-phrases	Symbols	Contains	Marking according to EU regulations
		Not subject to the 6//348/EEC.	Not publicat to the 67/E 40/EEO		

6. Other information

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, acculaboratories, it is given without warranty or representation that is complete. conceal in any way the deleterious aspects of the product listed herein, but makes no warranty as to such. rate and can be replied upon. Tokuyama Dental Corporation has not attempted to

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Reviewed on February 01.2006

MATERIAL SAFETY DATA SHEET DENTAI

29 CFR 1910.1200(g)

1. Identification of substance	bstance
Product name	TOKUYAMA REBASE I LIQUID
Description of product	Denture relining material, for dental professionals only.
Manufacturer	Tokuyama Dental Corporation 38-9, Taitou 1-chome, Taitou-ku, Tokyo, Japan
EC representative (Emergency Contact in EU)	Tokuyama Europe GmbH Oststrasse 10, 40211 Düsseldorf, Germany TEL: + 49 211 1754480 FAX: + 49 211 357379
North America	Tokuyama America, Inc. California Tel: (650) 571 8872 Tel: (877) 378 3548 (Dental Toll-Free)

'n Composition/Data on components

Ingredients	%	Cas.No.	Symbols	Symbols R-phrases OSHA PEL	OSHA PEL
2- (Acetoacetoxy) ethyl methacrylate	59	21282-97-3	l'		N/E
1,9-Nonanediol dimethacrylate	39	65833-30-9			N/E

3. Hazard identification

Repeated prolonged contact may cause skin inflammation

First aid measures

After skin contact	Wash with soap and plenty of water.
After eye contact	Wash immediately with plenty of water. Get medical attention.
After swallowing	Induce vomiting immediately. Get medical attention.
5. Fire fighting measures	ures

6. Accidental release measures

7. Handling and storage Handling

Store in a cool, dark place (0°C-25°C).	Handling	Use in a well ventilated place.
	Storage	Store in a cool, dark place (0°C-25°C).
. Exposure controls/personal protection	. Exposure controls	s/personal protection

In general	Not required.
Respiration protection	Not required.
Hand protection	Wear suitable protective gloves.
Eye protection	Wear suitable protective glasses.
Skin protection	Wear suitable protective clothing.

9. Physical and chemical properties

	Autoflammability N/A	Flammability None	Flash point 178°C	Melting point N/A	Boiling point N/A	pH N/A	Odor Ch	Appearance Cle
	Ъ	ne	3°C				Characteristic odor	Clear liquid
The second secon	Others	Partition coefficient	Solubility (Solvent)	Solubility (Water)	Relative density	Vapor pressure	Oxidizing properties	Explosive properties
	Ι	N/A	N/A	N/A	N/A	N/A	N/A	N/A

10. Stability and reactivity

Conditions to avoid	Conditions to avoid Heat, sparks and open flames.
Materials to avoid	Materials to avoid Strong oxidizing agents.
Hazardous reactions	Hazardous reactions Incomplete thermal decomposition may cause toxic gases.

11. Toxicological information

Inhalation No irritating effect

Ingestion	
Skin contact	Repeated prolonged contact may cause inflammation.
Eye contact	Slight irritation.
Carcinogenicity	N/R
Others	

Q A B B B **72 Ecological information**

iodegradability	N/A
ioaccumulative	N/A
quatic toxicity	N/A
thers	

13. Disposal consideration

Disposal must be made according to federal, state and local regulations.

14. Transport information

Proper shipping name	
UN number	
Classification	
Packing group	Not subject to this section.
Air transport	
Sea transport	
Inland transport	

15. Regulatory information

	Others
	S-phrases
Not subject to tije 6//346/EEC.	R-phrases
01.bioc+++++++ 07/540/550	Symbols
	Contains
	Marking according to EU regulations

6. Other information

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MATERIAL SAFETY DATA SHEET

ding to 91/155/EEC and OSHA regulation 29 CFR 1910.1200(g)

Identification of substance

Product name	TOKUYAMA REBASE I ADHESIVE
Description of product	Denture relining material, for dental professionals only.
Manufacturer	Tokuyama Dental Corporation 38-9, Taitou1-chome, Taitou-ku, Tokyo, Japan
EC representative (Emergency Contact in EU)	EC representative (Emergency Contact in EU) Tokuyama Europe GmbH Oststrasse 10, 40211 Düsseldorf, Germany TEL: +49 211 1754480 FAX: +49 211 357379
North America	Tokuyama America, Inc. California Tel: (650) 571 8872 Tel: (877) 378 3548 (Dental Toll-Free)

Composition/Data on components

Ingredients	%	Cas.No.	Symbols	Symbols R-phrases OSHA PEL	OSHA PEL
Ethyl acetate	47	141-78-6	П	R:11	1400mg/m³
Acetone	47	67-64-1	TI	R:11	2400mg/m³

Hazard identification

Highly flammable. Repeated prolonged contact may cause skin inflammation

First aid measures

After swallowing Induce drinking plenty of water and get medical attention.	After eye contact After eye contact	Wash with soap and plenty of water. Wash immediately with plenty of water. Get medical attention.
		Wash immediately with plenty of water. Get medical attention.
	After swallowing	Induce drinking plenty of water and get medical attenti

riie ligilulig illeasures

Special precaution for firefighters Us	Combustion products and Irritaresulting gases	Media not to be used None	Suitable extinguishing media C
Special precaution for firefighters Use protective clothing and a self-contained breathing apparatus	Combustion products and lrritant gas may be released during heating or in case or resulting gases	one	Suitable extinguishing media Chemical foam, carbon dioxide or dry chemical.

Accidental release measures

	Personal protection Not required.	Environmental protection Do not empty into drains. Methods for cleaning up Clean up with an inert absorbent and dispose of it at special waste collection point
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/. Handling and storage

Handling

Use in a well ventilated place

Storage Store in a cool, dark place (0°C-25°C). 8. Exposure controls/personal protection

9		
Wear suitable protective clothing.	Skin protection	
Wear suitable protective glasses.	Eye protection	
vvear suitable protective gloves.	Hand protection	
Not required.	nespiration protection	
7-1-	Doop insting purchase in	
Not required.	III general	
	5 20505	

9. Physical and chemical properties

	A CONTRACTOR OF THE PROPERTY O		
Appearance	Clear liquid	Explosive properties	N/A
Odor	Characteristic odor	Oxidizing properties	N/A
рH	N/A	Vapor pressure	N/A
Boiling point	57°C	Relative density	N/A
Melting point	N/A	Solubility (Water)	N/A
Flash point	-14°C	Solubility (Solvent)	N/A
Flammability	Highly flammable	Partition coefficient	N/A
Autoflammability	N/A	Others	Ī

10. Stability and reactivity

Conditions to avoid

Heat, sparks and open flames.

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nformation	11. Toxicological information
Hazardous reactions Incomplete thermal decomposition may cause toxic gases	Hazardous reactions
Materials to avoid Strong oxidizing agents.	Materials to avoid

	Others
N/R	Carcinogenicity
Irritation, redness, pain.	Eye contact
Slight irritation, defatting action, repeated prolonged contact may cause inflammation.	Skin contact
Slight irritation of digesting organs.	Ingestion
Irritation of respiratory organs.	Inhalation

Ecological information

12.

Diodegiadability	N/A
Bioaccumulative	A/N
Aquatic toxicity	A/N
Others	The second secon

13. Disposal consideration

Disposal must be made according to federal, state and local regulations

Transport information

14. Transport information	
Proper shipping name	Adhesives, containing a flammable liquid.
UN number	8811NU
 Classification	3 (IATA, CFR49)
 Packing group	II (IATA, CFR49)
 Air transport	Highly flammable.
 Sea transport	See section 2 and 9.
 Inland transport	

15. Regulatory information Marking according to EU regulations 62/548/EEC

Marking according to EU regulations 62/548/EEC, 92/32/EEC	62/548/EEC, 92/32/EEC
Contains	Ethyl acetate, Acetone
Symbols	F: Flammable.
R-phrases	R11: Highly flammable.
S-phrases	S9: Keep container in a well-ventilated place. S16: Keep awray from sources of ignition-No smoking. S23: Do not breathe vapor. S29: Do not empty into drains. S33: Take precautionary measures against static discharges.
Others	R and S-phrases are not marked according to contents not more than 125mL and the case not related to the general public (Article"Labeling"-3).
6 Other information	

6. Other information

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MATERIAL SAFETY DATA SHEET DENTA

29 CFR 1910.1200(g)

1. Identification of substance	ubstance
Product name	TOKUSO RESIN HARDENER-II
Description of product	Denture relining material, for dental professionals only.
Manufacturer	Tokuyama Dental Corporation 38-9, Taitou 1-chome, Taitou-ku, Tokyo, Japan
EC representative (Emergency Contact in EU)	Tokuyama Europe GmbH Oststrasse 10, 40211 Düsseldorf, Germany TEL: +49 211 1754480 FAX: +49 211 357379
North America	Tokuyama America, Inc. California Tel: (650) 571 8872 Tel: (877) 378 3548 (Dental Toll-Free)

Composition/Data on components

2. Composition/Data on components	n comp	onents			
Ingredients	%	Cas.No.	Symbols	R-phrases	Cas.No. Symbols R-phrases OSHA PEL
Sodium Sulfite	10-30	10-30 7757-83-7	1		N/E
Sodium Bicarbonate	70-90	70-90 144-55-8			N/EI
3. Hazard identification	ח				

Repeated prolonged contact may cause skin inflammation

4. First aid meas After skin contact First aid measures

After skin contact	Wash with soap and plenty of water.
After eye contact	Wash immediately with plenty of water. Get medical attention.
After swallowing	Induce vomiting immediately. Get medical attention.
5. Fire fighting measures	res
Suitable extinguishing media	Suitable extinguishing media Chemical foam, carbon dioxide or dry chemical.
Media not to be used	None
Combustion products and resulting gases	Irritant gas may be released during heating or in case of fire.
Special precaution for	Use protective clothing and a self-contained breathing

tiretighters

apparatus

Accidental release measures

Personal protection	Not required.
Environmental protection Not required.	Not required.
Methods for cleaning up	Methods for cleaning up Clean up with an inert absorbent

7. Handling and storage

Storage Store in a cool, dark place (0°C-25°C).	9	Coc in a well verificated place.
	Storage	Store in a cool, dark place (0°C-25°C).
	Evposiiro controlo	

xposure controls/personal protection

In general	Not required.
Respiration protection	Not required.
Hand protection	Wear suitable protective gloves.
Eye protection	Wear suitable protective glasses.
Skin protection	Wear suitable protective clothing.

Physical and chemical properties

Appearance	Powder	Explosive properties	None
Odor	None	Oxidizing properties	Reducing agent
P	10 (solution)	- 1	N/A
Boiling point	None	Relative density	N/A
Melting point	N/A	Solubility (Water)	Miscible
Flash point	N/A	Solubility (Solvent)	N/A
Flammability	None	Partition coefficient	N/A
Autoflammability	None	Others	
)			

Stability and reactivity

Conditions to avoid Heat, sparks and open flames.	Conditions to avoid	Heat, sparks and open flames.
Materials to avoid Strong oxidizing agents.	Materials to avoid	Strong oxidizing agents.
Hazardous reactions Incomplete thermal decomposition may cause toxic gases.	Hazardous reactions	ncomplete thermal decomposition may cause toxic gases.

11. Toxicological information

Others —	Carcinogenicity N/R	Eye contact Slig	Skin contact Slig	Ingestion Slig	Inhalation —
		Slight irritation.	Slight irritation, repeated prolonged contact may cause inflammation.	Slight irritation of digesting organs.	

Ecological information

z. Ecological information	
Biodegradability	N/A
Bioaccumulative	N/A
Aquatic toxicity	N/A
Others	

Disposal consideration

Disposal must be made according to federal, state and local regulations.

14. Transport information

Proper shipping name	
UN number	
Classification	
Packing group	Not subject to this section.
Sea transport	
Inland transport	

5 Regulatory information

Marking according to EU regulations
Contains
Symbols
R-phrases
S-phrases
Others

16. Other information

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