SAFETY DATA SHEET
TOKUSO RESIN HARDENER-II

1. IDENTIFICATION

Product Name: TOKUSO RESIN HARDENER-II
Identified uses: Denture Liner, a component of kit. For dental professionals only.
Supplier: Tokuyama Dental America Inc.
Tel: (877) 378 3548 (Toll-Free)
Contact Person: http://www.tokuyama-dental.com/tdc/contact.html
Manufacturer: Tokuyama Dental Corporation
38-9, Taitou 1-chome, Taitou-ku, Tokyo
110-0016, Japan
TEL: +81-3-3835-2261
Emergency Telephone: California Poison Control System - San Francisco Division
San Francisco General Hospital
Bldg 5 Rm 2A21, 1001 Potrero Ave, San Francisco
Emergency telephone number: 1 800 222 1222
E-mail address: coadmin @ calpoison.org
http://www.calpoison.org

National Capital Poison Center
3201 New Mexico Ave, Ste 310, Washington DC
Emergency telephone number: 1 800 222 1222
Telephone number: +1 202 362 3867
Facsimile number: +1 202 362 8377
E-mail address: pc @ poison.org
http://www.poison.org

2. HAZARD(S) IDENTIFICATION

Appearance: Powder
Color: White
Odor: Odorless
GHS Pictogram: !

Signal Word: Warning
Hazard Statements:
H315 Causes skin irritation.
H319 Causes serious eye irritation.
Precautionary Statements:
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
TOKUSO RESIN HARDENER-II

GHS Classification

- Physical and Chemical Hazards: Not classified.
- Human health: Skin Irrit. 2 - H315; Eye Irrit. 2 - H319
- Environment: Not classified.

Hazard Not Otherwise Classified (HNOC)
Not applicable.

OSHA Regulatory Status
This Product is Hazardous under the OSHA Hazard Communication Standard.

General Information
IF SWALLOWED: Slightly irritating. (DIGESTIVE SYSTEM.) This chemical may cause skin/eye irritation. Prolonged skin contact may cause redness and irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>SODIUM BICARBONATE</th>
<th>60-80%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS No.: 144-55-8</td>
<td>EC No.: 205-633-8</td>
</tr>
<tr>
<td>GHS Classification</td>
<td>Eye Irrit. 2B - H320</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SODIUM SULPHITE</th>
<th>20-40%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS No.: 7757-83-7</td>
<td>EC No.: 231-821-4</td>
</tr>
<tr>
<td>GHS Classification</td>
<td>Skin Irrit. 2 - H315; Eye Irrit. 2 - H319</td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

Description of 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.

Ingestion
Try to induce vomiting. Get medical attention.

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.

Most important symptoms and effects, both acute and delayed

Ingestion
Slightly irritating. (DIGESTIVE SYSTEM.)

Skin Contact
Slightly irritating. Prolonged and frequent contact may cause redness and irritation.

Eye Contact
Slightly irritating.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician
Treat Symptomatically. Wear suitable protective clothing.
5. FIRE-FIGHTING MEASURES

Auto Ignition Temperature (°C)
Not available.

Flammability Limit - Lower(%) 
Not available.

Flammability Limit - Upper(%) 
Not available.

Flash point (°C) 
Not available.

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

Specific Hazards
When heated and in case of fire, irritating vapors/gases may be formed.

Special Fire Fighting Procedures
Avoid breathing fire vapors.

Protective Equipment For Fire-Fighters
Wear full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

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

Environmental Precautions
Avoid 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.

Reference to other sections
For personal protection, see section 8. For waste disposal, see section 13.

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, sparks and open flame.

Storage Class
Chemical storage.

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient Comments
No exposure limits noted for ingredient(s). No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds the Recommended Occupational Exposure Limit.

OSHA PEL - TWA (8-hrs)
Inert or Nuisance dust: 15 mg/m3 (Total dust), 5 mg/m3 (Respirable fraction)
ACGIH TLV - TWA (8-hrs)
Particles not otherwise specified: 10 mg/m3 (Inhalable particles), 3 mg/m3 (Respirable particles)

Protective Equipment

Engineering Measures
Provide adequate general and local exhaust ventilation.
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Respiratory Equipment
In case of inadequate ventilation use suitable respirator.

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 hands 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Powder</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Solubility</td>
<td>Miscible with water</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Not available.</td>
</tr>
<tr>
<td>Melting point (°C)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor density (air=1)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available.</td>
</tr>
<tr>
<td>pH-Value, Conc. Solution</td>
<td>10</td>
</tr>
<tr>
<td>pH-Value, Diluted Solution</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature (°C)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Odour Threshold, Lower</td>
<td>Not available.</td>
</tr>
<tr>
<td>Odour Threshold, Upper</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto Ignition Temperature (°C)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability Limit - Lower(%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability Limit - Upper(%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not available.</td>
</tr>
<tr>
<td>(N-Octanol/Water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not available.</td>
</tr>
<tr>
<td>Other Flammability</td>
<td>Not available.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
Reducing agent - avoid contact with oxidizers.

Stability
Stable under normal temperature conditions and recommended use.

Hazardous reactions:
Not available.

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

Acute toxicity:
Not available.

Skin Corrosion/Irritation:
Slightly irritating. Prolonged and frequent contact may cause redness and irritation.

Serious eye damage/irritation:
Slightly irritating.

Respiratory or skin sensitisation:
Respiratory sensitisation
Not available.

Skin sensitisation
Not available.

Germ cell mutagenicity:
Not available.

Carcinogenicity:
Not established: IARC, NTP, EU, OSHA, ACGIH

Reproductive Toxicity:
Not available.

Specific target organ toxicity - single exposure:
STOT - Single exposure
Not available.

Specific target organ toxicity - repeated exposure:
STOT - Repeated exposure
Not available.

Aspiration hazard:
Viscosity
Not available.

12. ECOLOGICAL INFORMATION

Toxicity
No data available.
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Degradability
No data available.

Bioaccumulative potential
No data available on bioaccumulation.

Partition coefficient
Not available.

Mobility:
The product is miscible with water. May spread in water systems.

Results of PBT and vPvB assessment
This product does not contain any PBT or vPvB Substances.

Other adverse effects
Not known.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

General
Not regulated.

UN No. (DOT/TDG) N/A
UN No. (IMDG) N/A
UN No. (ICAO) N/A

DOT Proper Shipping Name Not applicable.

DOT Hazard Class
No classification noted.

DOT Hazard Label
No DOT label requirement noted

IMDG Class
Not applicable.

ICAO Class
Not applicable.

Transport Labels
No transport warning sign required.

DOT Pack Group
Not applicable.

IMDG Pack Group
Not applicable.

Air Pack Group
Not applicable.

Environmentally Hazardous Substance/Marine Pollutant
No.

Special precautions for user Not available.

Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code Notes
Not applicable.

15. REGULATORY INFORMATION

Regulatory Status (US)
This Product is Hazardous under the OSHA Hazard Communication Standard.

Regulatory References

US Federal Regulations
SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
None of the ingredients are listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
None of the ingredients are listed.
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SARA Extremely Hazardous Substances EPCRA Reportable Quantities
None of the ingredients are listed.

SARA 313 Emission Reporting
None of the ingredients are listed.

CAA Accidental Release Prevention
None of the ingredients are listed.

SARA (311/312) Hazard Categories
Acute

OSHA Highly Hazardous Chemicals
None of the ingredients are listed.

US State Regulations
California Proposition 65 Carcinogens and Reproductive Toxins
None of the ingredients are listed.
California Air Toxics "Hot Spots" (A-I)
None of the ingredients are listed.
California Air Toxics "Hot Spots" (A-II)
None of the ingredients are listed.
Massachusetts "Right To Know" List
None of the ingredients are listed.
Rhode Island "Right To Know" List
None of the ingredients are listed.
Minnesota "Right To Know" List
None of the ingredients are listed.
New Jersey "Right To Know" List
None of the ingredients are listed.
Pennsylvania "Right To Know" List
None of the ingredients are listed.

International Inventories
EU - EINECS/ELINCS
All ingredients are listed or exempt.
Canada – DSL/NDSL
All ingredients are listed or exempt.
US - TSCA
All ingredients are listed or exempt.
US – TSCA 12(b) Export Notification
None of the ingredients are listed.

16. OTHER INFORMATION

Revision Date 08/28/2017
Revision 3

Disclaimer
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