


SAFETY DATA SHEET

EsTemp Accelerator

SECTION 1. IDENTIFICATION

Product Name EsTemp Accelerator
Identified uses Temporary cement. For dental professionals only.
Supplier 
 SPIDENT Co.,Ltd.
Contact Person www.spident.co.kr
Manufacturer 203&312, Korea Industrial Complex, 722, Gojan-Dong, Namdong-Gu, Incheon, Korea 405-821
 Tel : +82) 32-821-0071
 Fax : +82) 32-821-0074

SECTION 2. HAZARD(S) IDENTIFICATION

| | | |
|---------------------------------|--|---|
| GHS Classification | Skin Sensitization | 1 |
| | Eye Irritation | 2A |
| GHS Pictogram |  | |
| Signal Word | Warning | |
| | H317 | May cause an allergic skin reaction. |
| | H319 | May cause serious eye irritation. |
| Precautionary Statements | Prevention | |
| | P261 | Avoid breathing vapor. |
| | P264 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| | P272 | Contaminated work clothing should not be allowed out of the workplace. |
| | P280 | Wear protective gloves and eye protection |
| | Response | |
| | P302+P352 | If on skin, wash with plenty of soap and water. |
| | P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| | P333+P313 | IF SKIN irritation or rash occurs: Get medical advice/attention. |
| | P321 | Specific treatment reference to supplemental first aid instruction. Manufacturer/ supplier or the competent authority may specify a cleansing agent if appropriate. |
| | P337+P313 | IF eye irritation persists: Get medical advice/attention. |
| | P362+P364 | Take off contaminated clothing and wash it before reuse. |
| | Disposal | |
| | P501 | Dispose of contents/container to in accordance with local/regional/national/international regulations to be specified. Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, |

| | | |
|--|--|--------------------|
| | | container or both. |
|--|--|--------------------|

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient | CAS No. | EC No. | % by Wt |
|--------------------|------------|-----------|---------|
| Polymerizaed rosin | 65997-05-9 | 500-163-2 | 50~70 |
| Eugenol | 97-53-0 | 202-589-1 | 10~30 |

SECTION 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 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.

Most important symptoms and effects, both acute and delayed

Ingestion

Slightly irritating. (DIGESTIVE SYSTEM.)

Skin Contact

Slightly irritating. May cause sensitization by skin contact.

Eye Contact

Slightly Irritating.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician

CAUTION! First aid personnel must be aware of own risk during rescue! Wear suitable protective clothing.

SECTION 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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

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

Environmental Precautions

Do not allow to enter drains, sewers or watercourses.

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.

SECTION 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

Chemical storage.

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures

Provide adequate general and local exhaust ventilation.

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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Paste

Paste

Color

Yellow White

Odor

No information available.

Solubility

No information available.

Initial boiling point and boiling range

Not available.

Melting point (°C)

Not available.

Relative density

1.9

Vapor density (air=1)

Not available.

| | |
|--|----------------|
| Vapor pressure | Not available. |
| Evaporation rate | Not available. |
| pH-Value , Conc. Solution | 7 |
| pH-Value, Diluted Solution | Not available. |
| Viscosity | Not available. |
| Decomposition temperature (°C) | Not available. |
| Odour Threshold, Lower | Not available. |
| Odour Threshold, Upper | Not available. |
| Flash point | Not available. |
| Auto Ignition Temperature (°C) | Not available. |
| Flammability Limit - Lower(%) | Not available. |
| Flammability Limit - Upper(%) | Not available. |
| Partition Coefficient (N-Octanol/Water) | Not available. |
| Explosive properties | Not available. |
| Other Flammability | Not available. |
| Oxidising properties | Not available. |

SECTION 10. STABILITY AND REACTIVITY

Reactivity

May polymerise.

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.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Not available.

Systemic toxicity test:

No biological harm (tested with mice)

Oral mucous irritant test:

Redness, edema have not been detected (tested with hamsters)

Skin Corrosion/Irritation:

Slightly irritating.

Serious eye damage/irritation:

Slightly Irritating.

Respiratory or skin sensitisation:

Respiratory sensitisation

Not available.

Skin sensitisation

May cause sensitization by skin contact.

Germ cell mutagenicity:

Not available.

Carcinogenicity:

IARC Carcinogenicity

Not listed

NTP - Carcinogenicity

Not listed.

OSHA - Carcinogenicity

Not listed.

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.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

No data available.

Degradability

No data available.

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Not available.

Mobility:

No information available.

Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

Other adverse effects

Not known.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

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

SECTION 14. TRANSPORT INFORMATION

UN No. (DOT/TDG)

N/A

UN No. (IMDG Code)

N/A

UN No. (ICAO TI)

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. |
| Packing Group | Not applicable. |
| Environmentally Hazardous Substance | |
| /Marine Pollutant | |
| Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code Notes | Not applicable. |

SECTION 15. REGULATORY INFORMATION

Follow the regulations of the KFDA
(Korea food & Drug Administration)

Follow the regulations of the CE
(Communaute Europeenne)

SECTION 16. OTHER INFORMATION

Date

2016/10/24(Rev.1)

2018/3/22 (Rev.2)


SAFETY DATA SHEET

EsTemp Base

SECTION 1. IDENTIFICATION

Product Name EsTemp Base
Identified uses Temporary cement. For dental professionals only.
Supplier 
SPIDENT Co.,Ltd.
Contact Person www.spident.co.kr
Manufacturer 203&312, Korea Industrial Complex, 722, Gojan-Dong, Namdong-Gu, Incheon,
Korea 405-821
Tel : +82) 32-821-0071
Fax : +82) 32-821-0074

SECTION 2. HAZARD(S) IDENTIFICATION

Appearance Paste
Color White
Odor No information available.
GHS Pictogram 
Signal Word Warning
Hazard Statements H319 Causes serious eye irritation.
Precautionary Statements P280 Wear protective gloves/protective clothing/eye protection/face protection.
Contains Zinc oxide, Mineral oil
GHS Classification
Physical and Chemical Hazards Not classified.
Human health Eye irrit. 1 - H319
Environment Not classified.
Other hazards
This product does not contain any PBT or vPvB substances.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient | CAS No. | EC No. | % by Wt | Classification |
|-------------|-----------|-----------|---------|--------------------------|
| Zinc oxide | 1314-13-2 | 215-222-5 | 40~70 | H410, P273, P501, R50/53 |
| Mineral oil | 8042-47-5 | 232-455-8 | 1~5 | - |

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Description of first aid measures

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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. May cause sensitization by skin contact.

Eye Contact

Slightly Irritating.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician

CAUTION! First aid personnel must be aware of own risk during rescue! Wear suitable protective clothing.

SECTION 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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

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

Environmental Precautions

Do not allow to enter drains, sewers or watercourses.

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

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

Storage Class

Chemical storage.

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

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Other Protection

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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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---------------------------|
| Appearance Paste | Paste |
| Color | Yellow White |
| Odor | No information available. |
| Solubility | No information available. |
| Initial boiling point and boiling range | Not available. |
| Melting point (°C) | Not available. |
| Relative density | 1.9 |
| Vapor density (air=1) | Not available. |
| Vapor pressure | Not available. |
| Evaporation rate | Not available. |
| pH-Value , Conc. Solution | 7 |
| pH-Value, Diluted Solution | Not available. |
| Viscosity | Not available. |
| Decomposition temperature (°C) | Not available. |
| Odour Threshold, Lower | Not available. |
| Odour Threshold, Upper | Not available. |
| Flash point | Not available. |
| Auto Ignition Temperature (°C) | Not available. |
| Flammability Limit - Lower(%) | Not available. |
| Flammability Limit - Upper(%) | Not available. |
| Partition Coefficient (N-Octanol/Water) | Not available. |
| Explosive properties | Not available. |
| Other Flammability | Not available. |

Oxidising properties

Not available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity

May polymerise.

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.

SECTION 11. TOXICOLOGICAL INFORMATION

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Systemic toxicity test:

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Slightly irritating.

Serious eye damage/irritation:

Slightly Irritating.

Respiratory or skin sensitisation:

Respiratory sensitisation

Not available.

Skin sensitisation

May cause sensitization by skin contact.

Germ cell mutagenicity:

Not available.

Carcinogenicity:

IARC Carcinogenicity

Not listed

NTP - Carcinogenicity

Not listed.

OSHA - Carcinogenicity

Not listed.

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.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

No data available.

Degradability

No data available.

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Not available.

Mobility:

No information available.

Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

Other adverse effects

Not known.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

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

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

SECTION 15. REGULATORY INFORMATION

Follow the regulations of the KFDA
(Korea food & Drug Administration)

Follow the regulations of the CE
(Communaute Europeenne)

SECTION 16. OTHER INFORMATION

Date
2016/10/24(Rev.1)