

SAFETY DATA SHEETS

This SDS packet was issued with item:

073093432

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

073093374 073093382

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

073093358 073093366 073093390



EZ-Fill Gel

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 07/01/2018

Version: 2.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : EZ-Fill Gel
Product code : 1600-00, 1605-00, 1608-00, 1610-00

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Obturation material. This product is part of a two-component system. For use with powder component.
Use of the substance/mixture : For professional use only

1.3. Details of the supplier of the safety data sheet

Essential Dental Systems
89 Leuning St, South Hackensack, NJ 07606
Tel: (201) 487-9090
Email: info@edsdental.com

1.4. Emergency telephone number

Emergency number : +1-201-487-9090 9:00 a.m. to 5:00 p.m. Eastern Standard Time

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Irrit. 2 H315
Eye Irrit. 2A H319
Skin Sens. 1 H317

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
Precautionary statements (GHS-US) : P261 - Avoid breathing dust, fume, mist, spray, vapours
P264 - Wash hands thoroughly after handling
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear eye protection, protective clothing, protective gloves
P302+P352 - If on skin: Wash with plenty of 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
P321 - Specific treatment (see on this label)
P332+P313 - If skin irritation occurs: Get medical advice/attention
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P362+P364 - Take off contaminated clothing and wash it before reuse
P501 - Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

EZ-Fill Gel

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

SECTION 3: Composition/information on ingredients

3.1. Substance

Name	Product identifier	%	GHS-US classification
Bisphenol A diglycidyl ether	(CAS No) 1675-54-3	> 50	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Assure fresh air breathing. Maintain an open airways. Seek immediate medical advice. If not breathing, give artificial respiration.
First-aid measures after skin contact	: Rinse and then wash skin thoroughly with water and soap. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Do not rub the skin and eyes after direct contact with the product. Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). Obtain emergency medical attention. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. Immediately call a POISON CENTER or doctor/physician. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye irritation. Redness, itching, tears.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. Dry powder. Alcohol resistant foam. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: On combustion, forms: carbon oxides (CO and CO ₂). unburned hydrocarbons.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid contact with skin, eyes and clothes. Spilled material may present a slipping hazard. Eliminate all ignition sources if safe to do so. Avoid breathing dust/fume/gas/mist/vapours/spray.
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6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent contamination of soil, drains and surface waters. Take up liquid spill into inert absorbent material. Shovel into suitable and closed container for disposal. Collect spills and put it into appropriated container. Ensure all national/local regulations are observed. Dispose of contents/container to comply with applicable local, national and international regulations. Relevant water authorities should be notified of any large spillage to water course or drain.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes, skin, and clothing. Do not breathe mist. Do not breathe dust. Work in a well-ventilated area.

Hygiene measures : Use good personal hygiene practices. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : A washing facility/water for eye and skin cleaning purposes should be present. Ensure adequate ventilation. Provide local exhaust or general room ventilation.

Storage conditions : Keep out of reach of children. Keep away from food and drink. Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use. Keep container dry. Keep away from sources of ignition - No smoking.

Incompatible materials : Strong oxidizing agents.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation. Ensure the ventilation system is regularly maintained and tested. Ensure adequate ventilation.

Personal protective equipment : Personal protective equipment should be selected based upon the conditions under which this product is handled or used. Avoid all unnecessary exposure. Gloves. Protective goggles. Protective clothing. For certain operations, additional Personal Protection Equipment (PPE) may be required.



Hand protection : Wear protective gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. (NIOSH-approved). Protection factors vary depending upon the type of respirator used.

Environmental exposure controls : Avoid release to the environment. Do not allow into drains or water courses. Relevant water authorities should be notified of any large spillage to water course or drain.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Gel.

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according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Colour	: Yellow
odour	: Not specified
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.4 g/ml at 23 °C / 73 °F
Solubility	: Water: Insoluble
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable at normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Thermal combustion may release carbon monoxide and dioxide. unburned hydrocarbons. Toxic fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)

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Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Carcinogenicity : Not classified
(Based on available data, the classification criteria are not met)

Bisphenol A diglycidyl ether (1675-54-3)

IARC group	3 - Not classifiable
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Reproductive toxicity : Not classified
(Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : Not classified
(Based on available data, the classification criteria are not met)

Specific target organ toxicity (repeated exposure) : Not classified
(Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified
(Based on available data, the classification criteria are not met)

Symptoms/injuries after skin contact : Causes skin irritation. May cause an allergic skin reaction.

Symptoms/injuries after eye contact : Causes serious eye irritation. redness, itching, tears.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

EZ-Fill Gel

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

EZ-Fill Gel

Bioaccumulative potential	Not established.
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No known ecological damage caused by this product.

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with applicable local, national and international regulations. Dispose of at an licensed site.

Additional information : Do not re-use empty containers.

Ecology - waste materials : Avoid release to the environment. Prevent contamination of soil, drains and surface waters.

SECTION 14: Transport information

In accordance with DOT

Not regulated for transport

Additional information

Other information : No supplementary information available.

ADR

Transport document description : No additional information available

Transport by sea

No additional information available

EZ-Fill Gel

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Bisphenol A diglycidyl ether (1675-54-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

Classification according to Directive 67/548/EEC or 1999/45/EC

No additional information available

15.2.2. National regulations

No additional information available



WARNING: This product can expose you to Bisphenol A, which is known to the State of California to cause reproductive harm.
For more information go to www.P65Warnings.ca.gov.

15.3. US State regulations

Bisphenol A (80-05-7)

U.S. - California - Proposition 65 - Female List	U.S. - California - Proposition 65 - Development al Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female
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SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



EZ-Fill Powder

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 07/01/2018

Version: 2.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : EZ-Fill Powder
Product code : 1600-00, 1605-00, 1608-00

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Obturation material. This is part of a two component system. For use with gel component.
Use of the substance/mixture : For professional use only

1.3. Details of the supplier of the safety data sheet

Essential Dental Systems
89 Leuning St, South Hackensack, NJ 07606
Tel: (201) 487-9090
Email: info@edsdental.com

1.4. Emergency telephone number

Emergency number : +1-201-487-9090 9:00 a.m. to 5:00 p.m. Eastern Standard Time

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Corr. 1B H314
Eye Dam. 1 H318

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS05

Signal word (GHS-US) : Danger
Hazard statements (GHS-US) : H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
Precautionary statements (GHS-US) : P260 - Do not breathe dust, fume, mist, spray, vapours
P264 - Wash hands thoroughly after handling
P280 - Wear eye protection, protective clothing, protective gloves
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a doctor, a POISON CENTER
P321 - Specific treatment (see on this label)
P363 - Wash contaminated clothing before reuse
P405 - Store locked up
P501 - Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

EZ-Fill Powder

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Silver	(CAS No) 7440-22-4	10 - 30	Not classified
Hexamethylenediamine	(CAS No) 124-09-4	< 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 STOT SE 3, H335

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Assure fresh air breathing. Maintain an open airways. Seek medical attention immediately.
- First-aid measures after skin contact : Rinse and then wash skin thoroughly with water and soap. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Do not rub the skin and eyes after direct contact with the product. Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
- First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Obtain emergency medical attention. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. Immediately call a POISON CENTER or doctor/physician. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Causes severe skin burns and eye damage.
- Symptoms/injuries after inhalation : If user operations generate dust or fumes, . Overexposure may be irritating to the respiratory system. Typical symptoms are respiratory irritation, breathlessness, coughing, chest tightness and difficulty breathing.
- Symptoms/injuries after skin contact : Causes severe skin burns and eye damage.
- Symptoms/injuries after eye contact : Causes serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Dry powder. Alcohol resistant foam. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : On combustion, forms: carbon oxides (CO and CO₂). unburned hydrocarbons. Metal oxides. Nitrogen oxides (NOx). Hydrogen cyanide. Ammonia.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin, eyes and clothes. Eliminate all ignition sources if safe to do so. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

EZ-Fill Powder

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Prevent contamination of soil, drains and surface waters. Avoid creating or spreading dust. Pick-up and arrange disposal without creating dust. Pick up mechanically. Collect spills and put it into appropriated container. Ensure all national/local regulations are observed. Dispose of contents/container to comply with applicable local, national and international regulations. Relevant water authorities should be notified of any large spillage to water course or drain.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes, skin, and clothing. Do not breathe mist. Do not breathe dust. Work in a well-ventilated area.

Hygiene measures : Use good personal hygiene practices. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : A washing facility/water for eye and skin cleaning purposes should be present. Ensure adequate ventilation. Provide local exhaust or general room ventilation.

Storage conditions : Keep out of reach of children. Keep away from food and drink. Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use. Keep container dry. Keep away from sources of ignition - No smoking.

Incompatible materials : Strong oxidizing agents. Strong acids, bases. Halogens. Acetylene.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Silver (7440-22-4)		
USA ACGIH	ACGIH TWA (mg/m³)	0.1 mg/m³
USA OSHA	OSHA PEL (TWA) (mg/m³)	0.01 mg/m³

Hexamethylenediamine (124-09-4)		
USA ACGIH	ACGIH TWA (ppm)	0.5 ppm

8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation. Ensure the ventilation system is regularly maintained and tested. Ensure adequate ventilation.

Personal protective equipment : Personal protective equipment should be selected based upon the conditions under which this product is handled or used. Avoid all unnecessary exposure. Gloves. Protective goggles. Protective clothing. For certain operations, additional Personal Protection Equipment (PPE) may be required.



Hand protection : Wear protective gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. (NIOSH-approved). Protection factors vary depending upon the type of respirator used.

EZ-Fill Powder

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Environmental exposure controls	: Avoid release to the environment. Do not allow into drains or water courses. Relevant water authorities should be notified of any large spillage to water course or drain.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: Off white
odour	: Not specified
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.4 g/ml at 23 °C / 73 °F
Solubility	: Water: Insoluble
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Strong oxidizing agents. Strong acids, bases. Halogens. Acetylene.

10.6. Hazardous decomposition products

Thermal combustion may release carbon monoxide and dioxide. unburned hydrocarbons. Toxic fumes. Metal oxides. Nitrogen oxides (NOx). Hydrogen cyanide. Ammonia.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

EZ-Fill Powder

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Acute toxicity : Not classified
(Based on available data, the classification criteria are not met)

Silver (7440-22-4)	
LD50 oral rat	> 2000 mg/kg

Hexamethylenediamine (124-09-4)	
LD50 oral rat	750 mg/kg
LD50 dermal rabbit	1110 mg/kg
ATE US (oral)	750.00000000 mg/kg bodyweight
ATE US (dermal)	1110.00000000 mg/kg bodyweight

Skin corrosion/irritation : Causes severe skin burns and eye damage.
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
(Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified
(Based on available data, the classification criteria are not met)
Reproductive toxicity : Not classified
(Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure) : Not classified
(Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure) : Not classified
(Based on available data, the classification criteria are not met)
Aspiration hazard : Not classified
(Based on available data, the classification criteria are not met)
Symptoms/injuries after inhalation : If user operations generate dust or fumes, . Overexposure may be irritating to the respiratory system. Typical symptoms are respiratory irritation, breathlessness, coughing, chest tightness and difficulty breathing.
Symptoms/injuries after skin contact : Causes severe skin burns and eye damage.
Symptoms/injuries after eye contact : Causes serious eye damage.

SECTION 12: Ecological information

12.1. Toxicity

Silver (7440-22-4)	
LC50 fishes 1	0.00155 - 0.00293 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	0.00024 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	0.0062 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])

Hexamethylenediamine (124-09-4)	
LC50 fishes 1	> 56 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	23.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	1825 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

12.2. Persistence and degradability

EZ-Fill Powder	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

EZ-Fill Powder	
Bioaccumulative potential	Not established.

Hexamethylenediamine (124-09-4)	
Log Pow	0.02 (at 25 °C)

12.4. Mobility in soil

No additional information available

EZ-Fill Powder

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

12.5. Other adverse effects

Effect on ozone layer	: No additional information available
Effect on the global warming	: No known ecological damage caused by this product.
Other information	: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with applicable local, national and international regulations. Dispose of at an licensed site.
Additional information	: Do not re-use empty containers.
Ecology - waste materials	: Avoid release to the environment. Prevent contamination of soil, drains and surface waters.

SECTION 14: Transport information

In accordance with DOT	
Transport document description	: UN2280 Hexamethylenediamine, solid, 8, III (contains Silver)
UN-No.(DOT)	: 2280
DOT NA no.	: UN2280
DOT Proper Shipping Name	: Hexamethylenediamine, solid
Department of Transportation (DOT) Hazard Classes	: 8 - Class 8 - Corrosive material 49 CFR 173.136
Hazard labels (DOT)	: 8 - Corrosive



Packing group (DOT)	: III - Minor Danger
DOT Special Provisions (49 CFR 172.102)	: IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2). IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner. T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2) TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 213
DOT Packaging Bulk (49 CFR 173.xxx)	: 240
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 25 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 100 kg
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 12 - Keep as cool as reasonably practicable

Additional information

Other information	: No supplementary information available.
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ADR

Transport document description : No additional information available

Transport by sea

UN-No. (IMDG) : 2280
Proper Shipping Name (IMDG) : HEXAMETHYLENEDIAMINE, SOLID (contains Silver)
Class (IMDG) : 8 - Corrosive substances
Packing group (IMDG) : III - substances presenting low danger

Air transport

UN-No.(IATA) : 2280
Proper Shipping Name (IATA) : HEXAMETHYLENEDIAMINE, SOLID (contains Silver)
Class (IATA) : 8 - Corrosives
Packing group (IATA) : III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

EZ-Fill Powder	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	3333 lb
Silver (7440-22-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on United States SARA Section 313	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	1000 lb
SARA Section 313 - Emission Reporting	1.0 %

15.2. International regulations

CANADA

Silver (7440-22-4)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
Hexamethylenediamine (124-09-4)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class E - Corrosive Material

EU-Regulations

Silver (7440-22-4)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

Classification according to Directive 67/548/EEC or 1999/45/EC

No additional information available

15.2.2. National regulations

Silver (7440-22-4)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Japanese Pollutant Release and Transfer Register Law (PRTR Law)
Listed on the Canadian IDL (Ingredient Disclosure List)

15.3. US State regulations

No additional information available

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SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product