

SAFETY DATA SHEET PART A

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Trade name: Bulletproof Single Shot Part A

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

Relevant identified uses: Liquid epoxy resin to be mixed with suitable amine curing agent.
Uses advised against: All other uses.

1.3 Details of the supplier of the Safety Data Sheet

Bulletproof Resins
11720 Main Street
Fredericksburg VA, 22408
United States

Emergency phone: 1-800-633-8253

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to OSHA Hazardous Communication Standard 29 CFR 1910.1200.

Skin Irritation — Category 2
Sensitization, skin — Category 1
Eye Irritation — Category 2
Aquatic Toxicity (chronic) – Category 2

2.2 Label elements

Labelling according to OSHA Hazardous Communication Standard 29 CFR 1910.1200:



Signal word: Warning

Hazard statements:

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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P270 Do not eat, drink or smoke when using this product. P264 Wash thoroughly after handling
 P303+P361+P353 IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water or shower.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 P316 Get emergency medical help immediately.
 P321 Specific treatment: See Section 4 on SDS for First Aid Measures.
 P362+P364 Take off contaminated clothing and wash before reuse.
 P391 – Collect spillage.
 P405 Store locked up.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P501 – Dispose of contents/container according to local regulations.

2.3 Other hazards

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture meeting the criteria for classification in accordance with OSHA Hazardous Communication Standard 29 CFR 1910.1200.

Ingredients:

Name	CAS No.	GHS classification	% (w/v)
2, 2'-[(1-methylethylidene)bis(4, 1-phenyleneoxymethylene)]bisoxirane	1675-54-3	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411	60 – 100
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane	30499-70-8	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	0 – 10
1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane	17557-23-2	Aquatic Chronic 3, H412	0 – 10
Benzyl alcohol	100-51-6	Acute Tox. 4, H302 Acute Tox. 4, H332	0 – 10
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411	0 – 10
Formaldehyde, oligomeric reaction products with 1-Chloro-2,3-epoxypropane and Phenol	9003-36-5	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411	0 – 10

The exact percentages (concentration) of composition have been withheld as a trade secret.

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- Following inhalation:** If inhaled move victim to fresh air. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc.). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to medical facility immediately.
- Following skin contact:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing and other apparel before reuse. Seek medical attention if symptoms occur or irritation persists. Go to a hospital immediately if symptoms (flare, irritate) occur. Wash thoroughly after handling.
- Following eye contact:** Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do so. Continue Rinsing. Get medical attention, if irritation or symptoms of overexposure persists. Go to the hospital immediately if symptoms (flare, irritate) occur. Remove contact lenses, if present and easy to do.
- Following ingestion:** If swallowed, DO NOT induce vomiting. Rinse mouth with water immediately. Do not give anything by mouth unless the person is fully conscious.
- Protection of first aider:** Not applicable.

4.2 Most important symptoms and effects

- Symptoms:** The known symptoms and effects are described in section 2.2 of this SDS.
- Risks:** Untreated symptoms may result in additional health risks.

4.3 Indication of any immediate medical and special treatment

The physician may contact the national poison centre for advice.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

- Suitable extinguishing media:** Water fog or fine spray. Dry chemical extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol-resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein forms may function, but will be less effective.
- Unsuitable extinguishing media:** No data available.

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5.2 Specific hazards arising from mixture

During a fire, smoke may contain the original matter in addition to combustion products of varying composition which may be toxic and/ or irritating. Combustion products may include and are not limited to: Nitrogen oxides, Carbon Monoxide, Carbon Dioxide.

Container may rupture from gas generation in a fire. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

5.3 Advice for fire fighters

Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

5.4 Other information

No other information available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 NOTES FOR NON-EMERGENCY PERSONNEL: Do not allow into any sewer, on the ground or into any body of water. Prevent environmental discharge consistent with regulatory requirements. Local authorities should be advised if significant spillages cannot be contained.

6.2 PERSONAL PROTECTIVE EQUIPMENT: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. See Section 13: Disposal Considerations for additional information.

6.3 ACCIDENTAL RELEASE MEASURES: Place in appropriate chemical waste container. Call Emergency Response number for advice. Approach suspected leak areas with caution. If possible, stop flow of product.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Use only outdoors. Use only in well-ventilated areas. Keep away from heat, sparks, flame and other sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions: Store away from incompatible materials. Store in original tightly closed container.

Incompatible materials: See section 10.

7.3 Specific end uses

See section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No data available.

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8.2 Exposure controls

Engineering controls:

Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Personal Protective equipment:

Hand: Adequate Protective Gloves should be worn.

Body protection: Wear protective clothing, overall if necessary to limit the odor contamination of personal clothing. Individual washing routines should be followed after any potential contact.

Eye: Adequate safety glasses should be used.

Respiratory: Wear a suitable CSA approved organic vapor respirator unless air monitoring indicates vapor levels are below the airborne exposure limits.

Other measures: No statement available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	No data available
Odor:	No data available
Odor threshold:	No data available
pH:	No data available
Melting point/range:	No data available
Boiling point/range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative Density:	No data available
Solubility(ies):	No data available
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No hazardous reactions are known under normal conditions of use and storage.

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10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Avoid heat or contamination.

10.5 Incompatible materials

Incompatible materials Acids, oxidizing agents, hypochlorite.

10.6 Hazardous decomposition products

The product slowly corrodes copper, aluminum, zinc and galvanized surfaces. The reaction to peroxides can lead to violent decomposition of the peroxide, which can create an explosion.

SECTION 11: TOXICOLOGICAL INFORMATION

General information:

This product does not contain known human carcinogens.

11.1 Information on toxicological effects

Acute Toxicity:

No statements available for any of the ingredients.

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitization:

May cause an allergic skin reaction.

Germ cell mutagenicity:

No statements available for any of the ingredients.

Carcinogenicity:

This product does not contain known human carcinogens.

Reproductive toxicity:

No statements available for any of the ingredients.

STOT – single exposure:

No statements available for any of the ingredients.

STOT – repeated exposure:

No statements available for any of the ingredients.

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Aspiration hazard:

No statements available for any of the ingredients.

Likely route(s) of exposure:

Skin exposure and eye exposure are the most likely to occur. Accidental ingestion is also possible.

SECTION 12: ECOLOGICAL INFORMATION

General information:

No statements available for any of the ingredients

12.1 Toxicity

No statements available for any of the ingredients.

12.2 Persistence and degradability

Physical- and photochemical elimination:

No statements available for any of the ingredients.

Biodegradation:

Benzyl alcohol: The material is readily biodegradable.

12.3 Bioaccumulative potential

No statements available for any of the ingredients.

12.4 Mobility in soil

Known/Predicted environmental distribution:

Expected to be relatively mobile in soil.

Surface tension:

No statements available for any of the ingredients.

Adsorption/Desorption:

No statements available for any of the ingredients.

12.5 Results of PBT and vPvB assessment

This product does not contain components which are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No statements available for any of the ingredients.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product:

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY

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BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations.

Waste material:

Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

D.O.T. Road/Rail: UN 3082

Air transport ICAO-TI/IATA-DGR: UN 3082

14.2 UN proper shipping name

D.O.T. Road/Rail: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Air transport ICAO- ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3 Transport hazard class(es)

D.O.T. Road/Rail: 9

Air transport ICAO-TI/IATA-DGR: 9

14.4 Packing group

D.O.T. Road/Rail: III

Air transport ICAO-TI/IATA-DGR: III

14.5 Environmental hazards

D.O.T. Road/Rail: Yes

Air transport ICAO-TI/IATA-DGR: Yes

14.6 Special precautions for user

Keep separate from foodstuffs, luxury foods, feedstuffs.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Notification status

Europe

(EINECS/ELINCS): listed/registered or exempted.

USA (TSCA): listed/registered or exempted.

Canada (DSL): listed/registered or exempted.

Australia (AICS): listed/registered or exempted.

Japan (ENCS): listed/registered or exempted.

Korea (TCCL): listed/registered or exempted.

Philippines (PICCS): listed/registered or exempted.

China (IECSC): listed/registered or exempted.



SINGLE SHOT

100% SOLIDS EPOXY

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SECTION 16: OTHER INFORMATION

Further information

The information presented in this Safety Data Sheet (SDS) is accurate to the best of our knowledge at the date of publication. The information given within the SDS is meant solely as a guide for safe handling, use, transportation, processing, storage, release and disposal. In no means can the information within the SDS be considered as a warranty or specification for quality.

SAFETY DATA SHEET PART B

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Trade name: Bulletproof Single Shot Part B

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

Relevant identified uses: Epoxy Curing Agent.
Uses advised against: All other uses.

1.3 Details of the supplier of the Safety Data Sheet

Bulletproof Resins
11720 Main Street
Fredericksburg VA, 22408
United States

Emergency phone: 1-800-633-8253

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to OSHA Hazardous Communication Standard 29 CFR 1910.1200.

Acute Toxicity (Inhalation) — Category 4
Acute Toxicity (Oral) — Category 4
Skin Corrosion — Category 1B
Sensitization, skin — Category 1
Eye Damage — Category 1
Aquatic Chronic Toxicity — Category 3

2.2 Label elements

Labelling according to OSHA Hazardous Communication Standard 29 CFR 1910.1200:



Signal word: Danger

Hazard statements:

H302+H332	Harmful if swallowed or inhaled.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements:

P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P270 Do not eat, drink or smoke when using this product. P264 Wash thoroughly after handling
P303+P361+P353 IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water or shower.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 P316 Get emergency medical help immediately.
 P321 Specific treatment: See Section 4 on SDS for First Aid Measures.
 P362+P364 Take off contaminated clothing and wash before reuse.
 P405 Store locked up.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards
None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture meeting the criteria for classification in accordance with OSHA Hazardous Communication Standard 29 CFR 1910.1200.

Ingredients:

Name	CAS No.	GHS classification	% (w/v)
Benzenemethanol	100-51-6	Acute Tox. 4, H302 Acute Tox. 4, H332	30 – 50
5 - Amino - 1 , 3 , 3 - trimethylcyclohexane methanamine reaction products with 2 , 2 ' - [(1 - methylethylidene)bis(4 , 1 - phenyleneoxymethylene)	68609-08-5	Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Chronic 2, H411	10 – 30
3-Aminomethyl-3,5,5-trimethylcyclohexylamine (isophoronediamine)	2855-13-2	Acute Tox. 4, H302 Skin Corr. 1, H314 Skin Sens. 1B, H317 Eye Dam. 1, H318	10 – 20
1 , 3 - Cyclohexanedimethanamine	2579-20-6	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412	10 – 30
Phenol, styrenated	61788-44-1	Skin Irrit. 2, H315 Skin Sens. 1A, H317 Eye Irrit. 2, H319	0 – 10

The exact percentages (concentration) of composition have been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Following inhalation: If inhaled move victim to fresh air. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc.). If breathing is difficult,

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oxygen should be administered by qualified personnel. Call a physician or transport to medical facility immediately.

Following skin contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing and other apparel before reuse. Seek medical attention if symptoms occur or irritation persists. Go to a hospital immediately if symptoms (flare, irritate) occur. Wash thoroughly after handling.

Following eye contact: Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do so. Continue Rinsing. Get medical attention, if irritation or symptoms of overexposure persists. Go to the hospital immediately if symptoms (flare, irritate) occur. Remove contact lenses, if present and easy to do.

Following ingestion: If swallowed, DO NOT induce vomiting. Rinse mouth with water immediately. Do not give anything by mouth unless the person is fully conscious.

Protection of first aider: Not applicable.

4.2 Most important symptoms and effects

Symptoms: The known symptoms and effects are described in section 2.2 of this SDS.

Risks: Untreated symptoms may result in additional health risks.

4.3 Indication of any immediate medical and special treatment

The physician may contact the national poison centre for advice.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water fog or fine spray. Dry chemical extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol-resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein forms may function, but will be less effective.

Unsuitable extinguishing media: No data available.

5.2 Specific hazards arising from mixture

During a fire, smoke may contain the original matter in addition to combustion products of varying composition which may be toxic and/ or irritating. Combustion products may include and are not limited to: Nitrogen oxides, Carbon Monoxide, Carbon Dioxide.

Container may rupture from gas generation in a fire. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

5.3 Advice for fire fighters

Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

5.4 Other information

No other information available.

SAFETY DATA SHEET
PART B**SECTION 6: ACCIDENTAL RELEASE MEASURES**

6.1 NOTES FOR NON-EMERGENCY PERSONNEL: Evacuate area. Only trained and properly protected personnel must be involved in clean-up operations. Keep upwind of spill. Ventilate area of leak or spill. Refer to Section 7: Handling and Storage, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8: Exposure Controls /Personal Protection.

6.2 PERSONAL PROTECTIVE EQUIPMENT: Do not allow into any sewer, on the ground or into any body of water. Prevent environmental discharge consistent with regulatory requirements. Local authorities should be advised if significant spillages cannot be contained. See Section 12, Ecological Information. Spill or discharge to natural waterways is likely to kill aquatic organisms.

Notes for those trained to participate in an emergency:

6.3 ACCIDENTAL RELEASE MEASURES: Place in appropriate chemical waste container. Call Emergency Response number for advice. Approach suspected leak areas with caution. If possible, stop flow of product.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or mist. Do not swallow. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Use only in well-ventilated areas. See Section 8: Exposure Controls and Personal Protection.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep out of the reach of children. Store in a cool, dry place.

Incompatible materials: See section 10.

7.3 Specific end uses

See section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

No data available.

8.2 Exposure controls**Engineering controls:**

Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Personal Protective equipment:

Hand: Adequate Protective Gloves should be worn.

Body protection: Wear protective clothing, overall if necessary to limit the odor contamination of personal clothing. Individual washing routines should be followed after any potential contact.

Eye: Adequate safety glasses should be used.

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Respiratory: Wear a suitable CSA approved organic vapor respirator unless air monitoring indicates vapor levels are below the airborne exposure limits.

Other measures: No statement available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Clear
Odor:	Amine
Odor threshold:	No data available
pH:	No data available
Melting point/range:	> 204 °C
Boiling point/range:	No data available
Flash point:	> 93.4 °C
Evaporation rate:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	0.2 mbar at 20 °C (68 °F)
Vapor density:	>1
Relative Density:	1.0
Solubility(ies):	Slightly soluble in water
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Exposure to elevated temperatures can cause product to decompose.

10.5 Incompatible materials

Avoid contact with: Acids. Halogenated hydrocarbons. Oxidizers.

10.6 Hazardous decomposition products

Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Aromatic compounds. Ammonia. Amines. Hydrocarbons. Phenolics.

SECTION 11: TOXICOLOGICAL INFORMATION

General information:

This product does not contain known human carcinogens.

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11.1 Information on toxicological effects

Acute Toxicity:

Swallowing may result in gastrointestinal irritation or ulceration. Swallowing may result in burns of the mouth and throat. Prolonged or widespread skin contact may result in absorption of potentially harmful amounts. Excessive exposure may cause irritation to upper respiratory tract (nose and throat). May cause central nervous system depression. Symptoms may include headache, dizziness and drowsiness, progressing to incoordination and unconsciousness. Prolonged excessive exposure may cause serious adverse effects, even death.

Skin corrosion/irritation:

Causes severe skin burns and eye damage.

Serious eye damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitization:

May cause an allergic skin reaction.

Germ cell mutagenicity:

No statements available for any of the ingredients.

Carcinogenicity:

This product does not contain known human carcinogens.

Reproductive toxicity:

No statements available for any of the ingredients.

STOT – single exposure:

No statements available for any of the ingredients.

STOT – repeated exposure:

No statements available for any of the ingredients.

Aspiration hazard:

No statements available for any of the ingredients.

Likely route(s) of exposure:

Skin exposure and eye exposure are the most likely to occur. Accidental ingestion is also possible.

SECTION 12: ECOLOGICAL INFORMATION

General information:

No statements available for any of the ingredients

12.1 Toxicity

No statements available for any of the ingredients.

12.2 Persistence and degradability**Physical- and photochemical elimination:**

No statements available for any of the ingredients.

Biodegradation:

Benzyl alcohol: The material is readily biodegradable.

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12.3 Bioaccumulative potential

No statements available for any of the ingredients.

12.4 Mobility in soil

Known/Predicted environmental distribution:

Expected to be relatively mobile in soil.

Surface tension:

No statements available for any of the ingredients.

Adsorption/Desorption:

No statements available for any of the ingredients.

12.5 Results of PBT and vPvB assessment

This product does not contain components which are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No statements available for any of the ingredients.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product:

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations.

Waste material:

Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

D.O.T. Road/Rail: UN 2735

Air transport ICAO-TI/IATA-DGR: UN 2735

14.2 UN proper shipping name

D.O.T. Road/Rail: AMINES, LIQUID, CORROSIVE, N.O.S. (isophoronediamine, Phenol, styrenated)

Air transport ICAO-TI/IATA: AMINES, LIQUID, CORROSIVE, N.O.S. (isophoronediamine, Phenol, styrenated)

14.3 Transport hazard class(es)

D.O.T. Road/Rail: 8

Air transport ICAO-TI/IATA-DGR: 8

14.4 Packing group

D.O.T. Road/Rail: III

Air transport ICAO-TI/IATA-DGR: III

14.5 Environmental hazards

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D.O.T. Road/Rail: This product is not regulated as a marine pollutant when transported on inland waterways in sizes of ≤ 5 L or ≤ 5 kg or by road, rail, or inland air in non-bulk sizes, provided the packaging's meet the general provisions of §§ 173.24 and 173.24a.

Air transport ICAO-TI/IATA-DGR: This product is not regulated as a marine pollutant when transported on inland waterways in sizes of ≤ 5 L or ≤ 5 kg or by road, rail, or inland air in non-bulk sizes, provided the packaging's meet the general provisions of §§ 173.24 and 173.24a.

14.6 Special precautions for user

Keep separate from foodstuffs, luxury foods, feedstuffs.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Notification status

Europe

(EINECS/ELINCS): listed/registered or exempted.

USA (TSCA): listed/registered or exempted.

Canada (DSL): listed/registered or exempted.

Australia (AICS): listed/registered or exempted.

Japan (ENCS): listed/registered or exempted.

Korea (TCCL): listed/registered or exempted.

Philippines (PICCS): listed/registered or exempted.

China (IECSC): listed/registered or exempted.

SECTION 16: OTHER INFORMATION

Further information

The information presented in this Safety Data Sheet (SDS) is accurate to the best of our knowledge at the date of publication. The information given within the SDS is meant solely as a guide for safe handling, use, transportation, processing, storage, release and disposal. In no means can the information within the SDS be considered as a warranty or specification for quality.