

SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: F2780 - POLYOL COMPONENT B**Product Code:** F2780, F2780-500

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Product Use: Spray Foam Insulation

Use this product in accordance with all local, regional, national and international regulations.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Name/Address: Holcim Solutions and Products US, LLC
26 Century Boulevard, Suite 205, Nashville, Tennessee 37214
Holcim Solutions and Products Canada, a Division of Lafarge Canada Inc.
Holcim Solutions and Products Canada, division de Lafarge Canada Inc.
6509 Airport Road, Mississauga, Ontario L4V 1S7**Telephone Number:** 800-331-0196 / **International:** 001-800-331-0196**Email:** sds@gaco.com**Website:** www.gaco.com

1.4 EMERGENCY TELEPHONE NUMBER

For Chemical Emergency
Spill, Leak, Fire, Exposure, or Incident
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1-703-527-3887 (collect calls accepted)

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE CHEMICAL

Hazard class:

| HAZARD CLASSIFICATION | CATEGORY |
|---|----------|
| Acute Toxicity - Oral | 4 |
| Skin Corrosion/Irritation | 2 |
| Eye Damage/Irritation | 1 |
| Sensitization – Skin | 1 |
| Carcinogenicity | 2 |
| STOT RE - Specific Toxic Organ Toxicity (Repeated Exposure) | 2 |

2.2 LABEL ELEMENTS

Hazard pictogram: GHS05, GHS07, GHS08

| | |
|--------------------------|---|
| Signal word: | DANGER |
| Hazard statement: | Harmful if swallowed Causes skin irritation May cause an allergic skin reaction Causes serious eye damage Suspected of causing cancer May cause damage to organs <kidneys> through prolonged or repeated exposure <oral> |
| Prevention: | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. |
| Response: | Specific treatment (see Section 8 on this label). If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or a rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. |
| Storage: | Store locked up. |
| Disposal: | Dispose of contents and container in accordance with all local, regional, national and international regulations. |

2.3 ADDITIONAL INFORMATION

| | |
|---|--|
| Main symptoms: | Prolonged exposure may cause chronic effects. Suspected of causing cancer. May cause damage to organs <kidneys> through prolonged or repeated exposure <oral>. May cause allergic skin reaction. Dermatitis. Rash. Harmful if swallowed. Causes skin irritation. May cause redness and pain. Causes severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. |
| Hazards not otherwise specified: | Toxic to aquatic life. |

46% of the mixture consists of ingredient(s) of unknown acute toxicity

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURES

| Material | CAS No. | Weight %* |
|---|-------------|-----------|
| Amine Polyol | 940912-28-7 | 10-20% |
| (2Z)-1,1,1,4,4,4-hexafluorobut-2-ene | 692-49-9 | 5-10% |
| Diethylene glycol | 111-46-6 | 3-7% |
| 1,2-Ethanediamine, polymer with 2-methyloxirane and oxirane | 26316-40-5 | 1-5% |

SAFETY DATA SHEET

| | | |
|--|------------|----------|
| Oxirane, Mono[9C12-14-alkyloxy)methyl] derivs. | 68609-97-2 | 1-5% |
| 1-propoxypropan-2-ol | 1569-01-3 | 1-5% |
| Tertiary Amine | - | 1-5% |
| 1,4- Dioxane | 0.1-1.0% | 0.1-1.0% |
| Other components below reportable levels | -- | 40-70% |

*The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: FIRST-AID MEASURES

4.1 DESCRIPTION OF THE FIRST AID MEASURES

General information:

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

Inhalation:

Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact:

Remove contaminated clothing immediately and wash skin with soap and water. Wash contaminated clothing before reuse. In case of eczema or other skin disorders: Seek medical attention and bring along these instructions.

Eye contact:

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion:

Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Prolonged exposure may cause chronic effects.

Suspected of causing cancer.

May cause damage to organs <kidneys> through prolonged or repeated exposure <oral>.

May cause allergic skin reaction. Dermatitis. Rash. Harmful if swallowed.

Causes skin irritation. May cause redness and pain.

Causes severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

Note to physicians:

Treat symptomatically. Symptoms may be delayed.

Specific treatments:

In case of accident or if you feel unwell, seek medical advice (show the label or SDS where possible).

SECTION 5: FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

General hazards:

No unusual fire or explosion hazard.

Suitable extinguishing media:

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂)

Unsuitable extinguishing media:

Do not use water jet as an extinguisher as this will spread the fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Specific hazards:

During fire, gases hazardous to health may be formed.

Products of combustion:

May include, and are not limited to: oxides of carbon.

5.3 Special protective equipment and precautions for fire-fighters (PPE)

Special protective equipment for fire-fighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire-fighting procedures: Keep upwind of fire. Move containers from fire area if you can do it without risk.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP

Methods for containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning-up: Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Following product recovery, flush area with water. For waste disposal, see Section 13 of the SDS.

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Prevent product from entering drains.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions: Never return spills to original containers for re-use. Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 7: HANDLING AND STORAGE**7.1 PRECAUTIONS FOR SAFE HANDLING**

Precautions for Safe handling: Observe good industrial hygiene practices.

General hygiene advice: Ensure that medical personnel are aware of the materials(s) involved, and take precautions to protect themselves.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Safe storage: Store away from incompatible materials.

Specific use: Spray Foam Insulation

Technical measures: No specific recommendations.

Incompatible materials: Acids

Safe packaging material: No specific recommendations.

Precautions: Use personal protective recommended in Section 8 of the SDS.

Safe handling advice: Observe good industrial hygiene practices.

Suitable storage conditions: Store away from incompatible materials.

Handling-technical measures: No specific recommendations.

Local and general ventilation: Provide adequate ventilation.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Control parameters: Follow standard monitoring procedures.

Exposure limits:

(2Z)-1,1,1,4,4,4-hexafluorobut-2-ene

OSHA: Time Weighted Average (TWA): 500 ppm

NIOSH: None

Diethylene glycol

OSHA: None

NIOSH:

REL: Ethylene glycol [Ceiling 50 ppm]

8.2 EXPOSURE CONTROLS

Engineering measures to reduce exposure:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level.

8.3 INDIVIDUAL PROTECTIVE MEASURES

General:

Use personal protective equipment as required.

Eye protection:

Wear safety glasses with side shields (or goggles) and a face shield.

Hand protection:

Wear appropriate chemical resistant gloves.

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

Skin and body protection:

Wear appropriate chemical resistant clothing.

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

Thermal hazards:

Wear appropriate thermal protective clothing, when necessary.

Environmental exposure controls: Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

| | |
|---|-------------------------|
| Appearance: | Slightly viscous liquid |
| Color: | Light Brown |
| Form: | Liquid |
| Odor: | light odor |
| Odor Threshold: | Not applicable |
| Physical State: | Liquid |
| pH (at 20°C): | 9.7 |
| Melting Point/Freezing Point: | Not applicable |
| Initial Boiling Point and Boiling Range: | Not applicable |
| Flash Point: | >200°F/>93°C |
| Evaporation Rate: | Not applicable |
| Flammability (solid, gaseous): | Not Flammable |

SAFETY DATA SHEET

| | |
|---|-------------------------|
| Lower Flammability/Explosive Limit: | Not applicable |
| Upper Flammability/Explosive Limit: | Not applicable |
| Vapor Pressure (mm Hg @38°C): | Not applicable |
| Vapor Density: | Not applicable |
| Density (lb/gal): | 9.68 |
| Relative Density/Specific Gravity: | 1.16 |
| Solubility in water/miscibility: | Not applicable |
| Partition coefficient: n-octanol/water: | Not applicable |
| Auto-ignition Temperature: | Not applicable |
| Decomposition Temperature: | Not applicable |
| Viscosity (at 25°C) g/L: | 1100 cPs |
| Oxidizing Properties: | Not applicable |
| Explosive Properties: | Not applicable |
| VOC: | 10.0 g/L (0.084 lb/gal) |
| Solvent content - Organic: | Not applicable |
| Solvent content - Water: | Not applicable |
| Solvent content - Solids: | 45.73% |
| Other information: | Not applicable |
| Incompatibilities: | Acids |

SECTION 10: STABILITY AND REACTIVITY

- 10.1 REACTIVITY** The product is stable and non-reactive under normal conditions of use, storage and transport.
- 10.2 CHEMICAL STABILITY**
- Chemical stability:** Material is stable under normal conditions.
- Materials to avoid:** The product is stable and non-reactive under normal conditions of use, storage and transport.
- 10.3 POSSIBILITY OF HAZARDOUS REACTIONS**
- Hazardous reactions:** No dangerous reaction known under conditions of normal use.
- 10.4 CONDITIONS TO AVOID** Contact with incompatible materials.
- 10.5 INCOMPATIBLE MATERIALS** Acids
- 10.6 HAZARDOUS DECOMPOSITION PRODUCTS**
- Hazardous decomposition products:** No hazardous decomposition products are known.
- Hazardous polymerization:** Does not occur.
- Other information:** Not applicable.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

- Acute toxicity:** May cause an allergic skin reaction. Dermatitis. Rash. Harmful if swallowed. Causes skin irritation. May cause redness and pain. Causes severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
- Likely routes of exposure:** Skin contact. Eye contact. Inhalation.
- Eye:** Causes severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage

SAFETY DATA SHEET

including blindness could result.

Skin: May cause an allergic skin reaction. Dermatitis. Rash. Causes skin irritation. May cause redness and pain.

Ingestion: Harmful if swallowed.

Inhalation: Not an expected route of exposure. No adverse effects due to inhalation are expected.

LD50/LC50 values relevant to this classification:**Amine Polyol**

Oral rat LD50 1370 mg/kg bw
Dermal rabbit LD50 12,800 mg/kg bw

Diethylene glycol

Oral rat LD50 19600 mg/kg bw/day
Oral rat LD50 16500 mg/kg bw/day
Oral Human LD50 1120 mg/kg bw/day
Oral Rat LD50 >25300 mg/kg
Inhal rat LC50 > 4.6 mg/L air 4hr
Inhal Rat LC50 >5.06 mg/l
Derm rabbit LD50 13300 mg/kg bw
Dermal Rabbit LD50 12500 mg/kg

1,2-Ethanediamine, polymer with 2-methyloxirane and oxirane

Oral rat LD50 > 5 000 mg/kg bw
Derm rabbit LD50 > 5 000 mg/kg bw

Oxirane, Mono[9C12-14-alkyloxy)methyl] derivs.

Oral rat LD50 30.1 mL/kg bw (26,800 mg/kg bw)
Oral rat LD50 >2,000 mg/kg bw
Inhal rat LC0 0.15 mg/L air 7hr
Derm rabbit LD50 >4.5 mL/kg bw (>4,000 mg/kg bw)

1-propoxypropan-2-ol

Oral rat LD50 >2000 mg/kg bw
Inhal rat LC0 > 1 725 ppm 4hr
Derm rabbit LD50 >2000 mg/kg bw

Tertiary Amine

Oral rat LD50 1630 mg/kg bw
Inhal rat LC50 335 ppm air 4hr
Derm rabbit LD50 200-1000 mg/kg bw
Derm rabbit LD50 500 mg/kg bw (estimated)

Calculated overall chemical acute toxicity values for this formulation:

| Calculated overall Chemical Acute Toxicity Values | | |
|---|------------------------|---------------|
| LC50 (inhalation) | LD50 (oral) | LD50 (dermal) |
| >5 mg/kg (dust and mist) | > 300 and ≤ 2000 mg/kg | >2000 mg/kg |

11.2 DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT- AND LONG-TERM EXPOSURE

Skin corrosion/irritation: Causes skin irritation. May cause redness and pain.

Serious eye damage/irritation: Causes severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

SAFETY DATA SHEET

Respiratory sensitization: Based on available data, this product is not expected to cause respiratory sensitization.

Skin sensitization: May cause an allergic skin reaction. Dermatitis. Rash.

Symptoms and target organs: Prolonged exposure may cause chronic effects. Suspected of causing cancer. May cause damage to organs <kidneys> through prolonged or repeated exposure <oral>. May cause allergic skin reaction. Dermatitis. Rash. Causes skin irritation. May cause redness and pain. Causes severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Chronic health effects: Suspected of causing cancer. May cause damage to organs <kidneys> through prolonged or repeated exposure <oral>.

Carcinogenicity: Suspected of causing cancer.

| Material | OSHA(O) | ACGIH(G) | NTP(N) | IARC(I) |
|-------------------|------------|----------|------------|------------|
| Diethylene glycol | Not listed | A3 | Not listed | Not listed |
| 1,4- Dioxane | Not listed | A3 | R | 2B |

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**OSHA (O)** =Occupational Safety and Health AdministrationCa/Yes = Expected to be carcinogenic
not listed = Not expected to be carcinogenic**ACGIH (G)** =American Conference of Governmental Industrial HygienistsA1 =Confirmed human carcinogen
A2 =Suspected human carcinogen
A3 =Animal carcinogen
A4 =Not classifiable as a human carcinogen
A5 =Not suspected as a human carcinogen
not listed = Not expected to be carcinogenic**NTP (N)** =National Toxicology ProgramK =Known to be a carcinogen
R = Reasonably anticipated to be a carcinogen
not listed = Not expected to be carcinogenic**IARC (I)** =International Agency for Research on Cancer1 =Carcinogenic to humans
2A =Probably carcinogenic to humans
2B =Possibly carcinogenic to humans
3 =Not classifiable as to its carcinogenicity to humans
4 =Probably not carcinogenic to humans
not listed = Not expected to be carcinogenic

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.

Specific Target Organ Toxicity (STOT):

Single Exposure: Not classified as an STOT - Single Exposure.

Repeated Exposure: May cause damage to organs <kidneys> through prolonged or repeated exposure <oral>.

Aspiration Toxicity: Based on available data, this product is not expected to cause aspiration toxicity.

Other Information: Not applicable.

SECTION 12: ECOLOGICAL INFORMATION**12.1 ECOTOXICITY**

Ecotoxicity: Toxic to aquatic life.

Acute aquatic toxicity: Toxic to aquatic life.

Chronic toxicity: The product is not classified as having a chronic environmental hazard. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Environmental effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

12.2 PERSISTENCE AND DEGRADABILITY

Persistence/biodegradability: The product contains substances which are not expected to be readily biodegradable.

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: No data available.

12.4 MOBILITY

Mobility: No data available.

Mobility in soil: No data available.

SAFETY DATA SHEET

Mobility in non-soil: No data available.

12.5 OTHER ADVERSE EFFECTS

Ozone layer: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 WASTE TREATMENT METHODS**

Disposal method: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Dispose of contents and container in accordance with all local, regional, national and international regulations.

EU codes: The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Residual waste: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents and container in accordance with all local, regional, national and international regulations.

Waste codes: The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Other disposal recommendations: None

SECTION 14: TRANSPORT INFORMATION**DOT Non-Bulk**

Not classified as Dangerous Goods for Transport

DOT Bulk

Not classified as Dangerous Goods for Transport

IMO/IMDG

Not classified as Dangerous Goods for Transport

ICAO/IATA

Not classified as Dangerous Goods for Transport

Reportable quantity: Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material

SECTION 15: REGULATORY INFORMATION**15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE CHEMICAL****US Federal Regulations:**

U.S. OSHA (Occupational Safety and Health Administration) Specifically Regulated Substances (29 CFR

SAFETY DATA SHEET**1910.1001-1050)**

No components of this product are present at concentration greater than or equal to 0.1% and are identified as a carcinogen or potential carcinogen by OSHA.

SARA/CERCLA reporting requirements:

The following components of this product are found at concentrations greater than or equal to 0.1% and are subject to SARA/CERCLA reporting requirements.

| Material | SARA 302 (EHSs) TPQ | SARA 304 EHSs RQ | CERCLA RQ | SARA 313 listed | RCRA CODE | CAA 112(r) TQ |
|--------------|---------------------|------------------|-----------|-----------------|-----------|---------------|
| 1,4- Dioxane | Not listed | Not listed | 100 | 313 | U108 | Not listed |

State Right-to-Know Regulations

The following components of this product are found at concentrations greater than or equal to 0.1%, subject to state Right-to-Know reporting requirements; or are found at any concentration and are listed under California Proposition 65.

| Material | California Proposition 65 | Massachusetts Right-to-Know | Minnesota Employee Right-to-Know | New Jersey Community Environmental Hazard Right-to-Know | New Jersey Right-to-Know Substance | Pennsylvania Right-to-Know | Rhode Island Right-to-Know |
|---|---------------------------|-----------------------------|----------------------------------|---|------------------------------------|----------------------------|----------------------------|
| Diethylene glycol | Not listed | Not listed | Listed | Not listed | Not listed | Listed | Not listed |
| 1,4- Dioxane | Cancer | Listed | Listed | Listed | Listed | Listed | Listed |
| Ethanol, 2,2'-iminobis- (trace <0.001%) | Cancer | Listed | Listed | Not listed | Listed | Listed | Listed |
| Formaldehyde (trace <0.001%) | Cancer | Listed | Listed | Listed | Listed | Listed | Listed |

California:**Proposition 65:**

WARNING: This product can expose you 1,4- Dioxane, Ethanol, 2,2'-iminobis-, and Formaldehyde which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

Global Inventories:

| Notification status: | |
|----------------------|--------------------------------|
| US - TSCA | All substances are listed |
| Canada -DSL | All substances are listed |
| Canada - NDSL | No substances are listed |
| EU - EINECS | All substances are listed |
| EU - ELINCS | No substances are listed |
| EU - NLP | At least 1 substance is listed |
| Australia – AICS | All substances are listed |
| China - EICSC | All substances are listed |
| Japan - ENCS | All substances are listed |
| Korea - KECI | All substances are listed |
| Taiwan - NECI | All substances are listed |
| New Zealand - NZIoC | All substances are listed |
| Philippine - PICCS | All substances are listed |

EU - REACH Status:

A registration number is not available for substances in this mixture as the substances are exempted from registration or the annual tonnage does not require a registration.

| HAZARD CLASSIFICATION | CATEGORY |
|---------------------------|----------|
| Acute Toxicity - Oral | 4 |
| Skin Corrosion/Irritation | 2 |
| Eye Damage/Irritation | 1 |
| Sensitization – Skin | 1 |
| | 2 |

SAFETY DATA SHEET

| | |
|--|---|
| Carcinogenicity STOT RE - Specific Toxic Organ Toxicity (Repeated Exposure) | 2 |
|--|---|

CANADA – WHMIS (Workplace Hazardous Materials Information System) Classification (GHS):

| HAZARD CLASSIFICATION | CATEGORY |
|---|----------|
| Acute Toxicity - Oral | 4 |
| Skin Corrosion/Irritation | 2 |
| Eye Damage/Irritation | 1 |
| Sensitization – Skin | 1 |
| Carcinogenicity | 2 |
| STOT RE - Specific Toxic Organ Toxicity (Repeated Exposure) | 2 |

MEXICO (GHS):

| HAZARD CLASSIFICATION | CATEGORY |
|---|----------|
| Acute Toxicity - Oral | 4 |
| Skin Corrosion/Irritation | 2 |
| Eye Damage/Irritation | 1 |
| Sensitization – Skin | 1 |
| Carcinogenicity | 2 |
| STOT RE - Specific Toxic Organ Toxicity (Repeated Exposure) | 2 |

Carcinogen Status: Suspected of causing cancer

SECTION 16: OTHER INFORMATION

HMIS (Hazardous Materials Identification System) rating:

| | |
|----------------------|-----------|
| Health: | 3* |
| Flammability: | 1 |
| Physical: | 0 |

NFPA 704 (National Fire Protection Association) rating:

| | |
|-------------------|----------|
| Health | 3 |
| Fire | 1 |
| Reactivity | 0 |

Legend:

| | |
|-------|---|
| DOT | US Department of Transportation |
| IATA | International Air Transport Association |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| ACGIH | American Conference of Governmental Industrial Hygienists |
| NTP | National Toxicology Program |
| IARC | International Agency for Research on Cancer |
| PPE | Personal Protective Equipment |
| RCRA | Resource Conservation and Recovery Act |
| CAA | Clean Air Act |
| SARA | Superfund Amendments and Reauthorization Act |
| EPCRA | Emergency Planning and Community Right-to-Know Act |
| WHMIS | Workplace Hazardous Materials Information System |

SAFETY DATA SHEET

| | |
|--------|--|
| EU | European Union |
| REACH | Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals |
| CERCLA | Comprehensive Environmental Response, Compensation and Liability Act |
| TSCA | US Toxic Substances Control Act (TSCA) |
| DSL | Canada Domestic Substance List (DSL) |
| NDSL | Canada Non-Domestic Substance List (NDSL) |
| EINECS | European Inventory of Existing Commercial Chemical Substances (EINECS) |
| ELINCS | European List of Notified Chemical Substances (ELINCS) |
| NLP | European list of No-longer Polymers (NLP) |
| AICS | Australian Inventory of Chemical Substances (AICS) |
| EICSC | China Existing Chemical Inventory - IECSC |
| ENCS | Japanese Existing and New Chemical Substances Inventory(ENCS) |
| KECI | Korea Existing Chemicals Inventory(KECI) |
| NECI | Taiwan National Existing Chemical Inventory (NECI) |
| NZIoC | New Zealand Inventory of Chemicals (NZIoC) |
| PICCS | Philippine Inventory of Chemicals and Chemical Substances (PICCS) |
| HMIS | Hazardous Materials Identification System |
| NFPA | National Fire Protection Association (NFPA) |

Date of preparation:

May 9, 2023

Version:

1.0

Revision Date:

May 9, 2023

Disclaimer:

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

Prepared by:

Holcim Solutions and Products US, LLC
 26 Century Boulevard, Suite 205, Nashville, Tennessee 37214
 Holcim Solutions and Products Canada, a Division of Lafarge Canada Inc.
 Holcim Solutions and Products Canada, division de Lafarge Canada Inc.
 6509 Airport Road, Mississauga, Ontario L4V 1S7
 Gaco is a Holcim Solutions and Products brand

End of Safety Data Sheet