



Cemflex

Safety Data Sheet 4045

Revision Date: 08/01/2016

Date of issue: 03/16/2016

Supersedes Date: 01/01/2005

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Cemflex

1.2. Intended Use of the Product

Use of the substance/mixture: Universal Waterproofer and Abrasion Resistant Protective Layer; Water Based Penetrating Primer

1.3. Name, Address, and Telephone of the Responsible Party

Company

GAF

1 Campus Drive

Parsippany, NJ 07054 USA

1-800-766-3411

1.4. Emergency Number: CHEMTREC (DAY OR NIGHT) 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US classification

Not classified

2.2. Label Elements

GHS-US Labeling

No labeling applicable

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product Identifier | % | GHS-US classification |
|-------------|----------------------|--------|---|
| Cosolvent 1 | (CAS No) Proprietary | < 0.75 | Flam. Liq. 4, H227 |
| Cosolvent 2 | (CAS No) Proprietary | < 0.5 | Flam. Liq. 4, H227 Eye Irrit. 2A, H319 |

Full text of H-phrases: see section 16

The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]. In the event of an emergency, chemical identities and exact percentages of the proprietary ingredients may need to be disclosed to emergency personnel upon request.

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: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

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

Symptoms/Injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

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Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None known.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide (CO₂).

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions closed containers may rupture or explode.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. Do not breathe fumes from fires or vapors from decomposition.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Take up large spills with pump or vacuum. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, and spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool and well-ventilated place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Protect from freezing.

Incompatible Products: Strong acids, strong bases, strong oxidizers. Anhydrides. Acid anhydrides. Metal salts. Water reactive materials.

Storage Temperature: 4 - 32 °C

7.3. Specific End Use(s)

Universal Waterproofing and Abrasion Resistant Protective Layer; Water Based Penetrating Primer

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

| Cosolvent 1 (Proprietary) | | |
|---------------------------|---------------------------------------|--|
| USA ACGIH | ACGIH TWA (ppm) | 100 ppm |
| USA ACGIH | ACGIH STEL (ppm) | 150 ppm |
| USA ACGIH | ACGIH chemical category | Skin - potential significant contribution to overall exposure by the cutaneous route |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 600 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 100 ppm |
| USA NIOSH | NIOSH REL (STEL) (mg/m ³) | 900 mg/m ³ |
| USA NIOSH | NIOSH REL (STEL) (ppm) | 150 ppm |
| USA IDLH | US IDLH (ppm) | 600 ppm |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 600 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (ppm) | 100 ppm |
| USA OSHA | Limit value category (OSHA) | prevent or reduce skin absorption |
| Cosolvent 2 (Proprietary) | | |
| USA ACGIH | ACGIH TWA (ppm) | 10 ppm (inhalable fraction and vapor) |

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. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment

: Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing

: Chemically resistant materials and fabrics.

Hand Protection

: Wear protective gloves.

Eye Protection

: Chemical safety goggles.

Skin and Body Protection

: Wear suitable protective clothing.

Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Environmental Exposure Controls

: Avoid release to the environment.

Other Information

: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

| | |
|---------------------------|--------------------------------|
| Physical State | : Liquid |
| Appearance | : Thin white liquid |
| Odor | : Mild Acrylic |
| Odor Threshold | : No data available |
| pH | : 8 - 9.1 |
| Evaporation Rate | : < 1 (n-Butyl Acetate=1) |
| Melting Point | : No data available |
| Freezing Point | : ≈ 0 °C (32 °F) |
| Boiling Point | : ≈ 100 °C (212 °F) |
| Flash Point | : > 200 °F (> 93.33 °C) (PMCC) |
| Auto-ignition Temperature | : No data available |
| Decomposition Temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapor Pressure | : No data available |

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| | |
|--|------------------------|
| Relative Vapor Density at 20 °C | : Heavier than air |
| Relative Density | : No data available |
| Specific Gravity | : 1.01 |
| Specific gravity / density | : 8.4 - 8.5 lb/gal |
| Solubility | : Miscible with water. |
| Partition Coefficient: N-Octanol/Water | : No data available |
| Viscosity | : < 1000 cPs |

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.
- 10.5. Incompatible Materials:** Strong acids, strong bases, strong oxidizers. Anhydrides. Acid anhydrides. Metal salts. Water reactive materials.
- 10.6. Hazardous Decomposition Products:** Carbon oxides (CO, CO₂). Hydrocarbons. Styrene. Acrylates.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

| | |
|----------------------------------|------------|
| Cosolvent 1 (Proprietary) | |
| LD50 Oral Rat | 5400 µl/kg |
| LD50 Dermal Rabbit | 9500 mg/kg |
| Cosolvent 2 (Proprietary) | |
| LD50 Oral Rat | 5660 mg/kg |
| LD50 Dermal Rabbit | 2700 mg/kg |

Skin Corrosion/Irritation: Not classified

pH: 8 - 9.1

Serious Eye Damage/Irritation: Not classified

pH: 8 - 9.1

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General : Not classified.

| | |
|----------------------------------|--|
| Cosolvent 1 (Proprietary) | |
| LC50 Fish 1 | > 10000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| EC50 Daphnia 1 | 1919 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| Cosolvent 2 (Proprietary) | |
| LC50 Fish 1 | 1300 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| EC50 Daphnia 1 | > 100 mg/l (Exposure time: 48 h - Species: Daphnia magna) |

12.2. Persistence and Degradability

| | |
|--------------------------------------|------------------|
| Cemflex | |
| Persistence and Degradability | Not established. |

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| | |
|--------------------------------------|------------------------|
| Cosolvent 1 (Proprietary) | |
| Persistence and Degradability | Readily biodegradable. |

12.3. Bioaccumulative Potential

| | |
|----------------------------------|--------------------------------|
| Cemflex | |
| Bioaccumulative Potential | Not established. |
| Cosolvent 1 (Proprietary) | |
| Log Pow | -0.064 (at 20 °C) |
| Bioaccumulative Potential | Not expected to bioaccumulate. |
| Cosolvent 2 (Proprietary) | |
| BCF fish 1 | (no bioconcentration expected) |

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

| | |
|---|--|
| Cosolvent 1 (Proprietary) | |
| 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 |
| Cosolvent 2 (Proprietary) | |
| 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 Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule |

15.2 US State Regulations

| | |
|--|--|
| Cosolvent 1 (Proprietary) | |
| U.S. - Massachusetts - Right To Know List | |
| U.S. - New Jersey - Right to Know Hazardous Substance List | |
| U.S. - Pennsylvania - RTK (Right to Know) List | |

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 08/01/2016
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

| | |
|-------------------------------------|--|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal) Category 3 |
| Acute Tox. 3 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral) Category 3 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment - Acute Hazard Category 1 |
| Aquatic Acute 2 | Hazardous to the aquatic environment - Acute Hazard Category 2 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment - Chronic Hazard Category 1 |

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| | |
|---------------|---|
| Asp. Tox. 1 | Aspiration hazard Category 1 |
| Comb. Dust | Combustible Dust |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Flam. Liq. 4 | Flammable liquids Category 4 |
| Skin Corr. 1B | Skin corrosion/irritation Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| Skin Sens. 1 | Skin sensitization Category 1 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H227 | Combustible liquid |
| Comb. Dust | May form combustible dust concentrations in air |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H311 | Toxic in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H331 | Toxic if inhaled |
| H335 | May cause respiratory irritation |
| H400 | Very toxic to aquatic life |
| H401 | Toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |

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Revision Information

Conversion to GAF SDS.