

Preparation Date: --

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Version: 1.2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier	CPMC-LV-003
Other Product Names	Arisfor [®] Multi-Surface Waterproofer (Low VOC Formulations)
Brand	Arisfor, LLC
Supplier	Arisfor, LLC 100 Forta Drive Grove City, PA 16127
Recommended Uses / Restrictions on Use	New and/or resurfaced masonry & concrete
Company Number	Phone: 724-264-1050
Emergency Phone: CHEMTEL	Domestic: 1-800-255-3924 International: +1-813-248-0585

2. HAZARDS IDENTIFICATION

Emergency Overview

Highly flammable liquid and vapor. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

For Exterior Use Only. Use only with adequate ventilation. To avoid overexposure; if treating enclosed exterior rooms or porches, open windows and doors or use other means to ensure fresh air during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Wear protective gloves/ protective clothing. Avoid contact with eyes and skin. Cause eye, skin and respiratory tract irritation. Cause damage to organs. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

OSHA Hazards Flammable Liquid, Target Organ Effect, Toxic by Inhalation, Toxic by Ingestion, Toxic by Skin Absorption.



Target Organs Eyes, Kidney, Liver, Heart, Central Nervous System

GHS Classification Flammable Liquids – Category 2
Acute toxicity, Oral – Category 3
Acute toxicity, Inhalation – Category 3
Acute toxicity, Dermal – Category 3

GHS Label Elements (including precautionary statements) Signal word – Danger

Hazard Statements

- H225** Highly flammable liquid and vapor.
- H302** Harmful if swallowed.
- H315** Causes skin irritation.
- H319** Causes serious eye irritation.
- H335** May cause respiratory irritation.
- H336** May cause drowsiness or dizziness.
- H370** Causes damage to organs.

Precautionary Statements

- P210** Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P233** Keep container tightly closed.
- P235** Keep cool.
- P240** Ground/bond container and receiving equipment.
- P241** Use explosion proof electrical/ventilating/lighting/equipment.
- P242** Use only non-sparking tools.
- P243** Take precautionary measures against static discharge.
- P260** Do not breathe dust/fume/gas/mist/vapors/spray.
- P264** Wash skin thoroughly after handling.
- P271** Use only outdoors or in a well-ventilated area.
- P280** Wear protective gloves/protective clothing.
- P312** Call a POISON CENTER/doctor if swallowed and you feel unwell.
- P301+P310** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340+P312** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P307+P311** If exposed: Call a POISON CENTER or doctor/physician.
- P337+P313** If eye irritation persists: Get medical advice or attention.
- P370+P378** In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
- P403** Store in a well-ventilated place.
- P405** Store locked up.
- P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional Precautionary Statements

Wash exposed areas thoroughly after handling. Use only outdoors or in a well-ventilated area. Do not eat, drink, or smoke while using this product. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Take off immediately all contaminated clothing and wash it before reuse. Rinse mouth. If inhaled: Remove person to fresh air and keep comfortable for breathing. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Specific treatment (see FIRST AID MEASURES on the SDS). In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Keep locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

HMIS Classification

Health Hazard	2
Chronic Health Hazard	*
Flammability	3
Physical Hazard	0

NFPA Rating

Health Hazard	2
Fire	3
Reactivity Hazard	0

Hazards Not Otherwise Classified

May cause corneal damage following prolonged contact with the eye(s).

Percentage of Ingredients with Unknown Toxicity

Total percentage: ≤50%

Potential Health Effects

Inhalation	Toxic if inhaled. Causes respiratory tract irritation.
Skin	Toxic if absorbed through skin. Causes skin irritation.
Eyes	Causes eye irritation.
Ingestion	Toxic if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Classification	Concentration
Ethanol		
CAS-No. 64-17-5 EC-No. 200-578-6 Index-No. 603-002-00-5	Flam. Liq. 2; Eye Irrit. 2A; Carc. 1A	<10%
Acetone		
CAS-No. 67-64-1 EC-No. 200-662-2 Index-No. 606-001-00-8	Flam. Liq. 2; Acute Tox. 3; Skin Irrit. 2; Eye Irrit. 2	40 – 65%
Proprietary Substance(s)		
N/A	N/A	5 – 50%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. The specific chemical identities and percentages of concentration have been withheld as trade secrets.

4. FIRST AID MEASURES

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Ingestion	IF SWALLOWED: Call hospital emergency room, or physician immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Inhalation	IF INHALED: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin Contact	Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Most Important Symptoms (Acute and Delayed)	Upon excessive exposure (inhalation, dermal contact, contact with eyes, ingestion), acute/delayed symptoms may include but are not limited to dizziness, nausea, fatigue, blurred vision, loss of motor skills, confusion, impaired judgement, and other common symptoms of inebriation typically associated with exposure to ethyl alcohol. Any individual exhibiting signs of these symptoms should seek immediate medical attention in accordance with the guidelines presented in Section 2 (HAZARDS IDENTIFICATION) and Section 4 (FIRST AID MEASURES) of this document.
Immediate Medical Attention Required	IF SWALLOWED: Immediately call a doctor/ physician. IF exposed: Call a doctor/ physician. Refer to Section 2 (HAZARDS IDENTIFICATION) and Section 4 (FIRST AID MEASURES) of this document for additional information.

5. FIRE-FIGHTING MEASURES

Conditions of Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Special Protective Equipment for Firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Hazardous Combustion Products	Hazardous decomposition products formed under fire conditions. – Carbon oxides.
Further Information	Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods and Material for Containment and Cleaning Up	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

7. HANDLING AND STORAGE

Precautions for Safe Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition – No smoking. Take measures to prevent the build-up of electrostatic charge.
Conditions for Safe Storage	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with Workplace Control Parameters

Components	CAS-No.	Value	Control Parameters	Basis
Ethanol	64-17-5	TWA	1000 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks	Upper Respiratory Tract irritation, Confirmed animal carcinogen with unknown relevance to humans.			
		TWA	1,000 ppm 1,900 mg/m ³	USA. OSHA – TABLE Z-1 Limits for Air Contaminants – 1910.1000
		TWA	1,000 ppm 1,900 mg/m ³	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants.
	The value in mg/m ³ is approximate.			
		TWA	1,000ppm 1,900mg/m ³	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
	The value in mg/m ³ is approximate.			
		TWA	1,000ppm 1,900mg/m ³	USA. NIOSH Recommended Exposure Limits
		STEL	1,000 ppm	USA. ACGIH Threshold Limit Values (TLV)
			Upper Respiratory Tract irritation, Confirmed animal carcinogen with unknown relevance to humans.	
Acetone	67-64-1	TWA	500 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks	Central Nervous System impairment. Hematologic effects, Upper Respiratory Tract irritation, Eye irritation. Adopted values or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended Changes (NIC) Substances for which there is a Biological Exposure Index or Indices (see BEI® section). Not classifiable as a human carcinogen.			
		TWA	250 ppm	USA. ACGIH Threshold Limit Values (TLV)
	Central Nervous System impairment, Upper Respiratory Tract irritation, Eye irritation. 2015 Adoption Substances for which there is a Biological Exposure Index or Indices (see BEI® section). Not classifiable as a human carcinogen.			
		STEL	750 ppm	USA. ACGIH Threshold Limit Values (TLV)
	Central Nervous System impairment, Hematologic effects, Upper Respiratory Tract irritation, Eye irritation. Adopted values or notations enclosed are those for which changes are proposed in the NIC, See Notice of Intended Changes (NIC) Substances for which there is a Biological Exposure Index or Indices (see BEI® section). Not classifiable as a human carcinogen.			
		STEL	500 ppm	
	Central Nervous System impairment. Upper Respiratory Tract irritation. Eye irritation. 2015 Adoption Substances for which there is a Biological Exposure Index or Indices (see BEI® section). Not classifiable as a human carcinogen.			
		TWA	1,000ppm 2,400 mg/m ³	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
	The value in mg/m ³ is approximate.			

		TWA	250 ppm 590 mg/m ³	USA. NIOSH Recommended Exposure Limits
Proprietary Substance(s)		TWA	10 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks	Eye & Upper Respiratory Tract Irritation Kidney Damage			
		TWA	10 ppm 85 mg/m ³	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	100 ppm 850 mg/m ³	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA	10 ppm 85 mg/m ³	USA. NIOSH Recommended Exposure Limits
	The value in mg/m ³ is approximate.			

Appropriate Engineering Controls

To eliminate or reduce exposure to potential chemical and/or physical hazards while using this material, do NOT use/handle/store/transport/dispose/transfer material in any other way other than as specified in either this document or the corresponding Technical Data Sheet for Arisfor® Multi-Surface Waterproof. Always use non-sparking materials when using/handling/storing/transporting/disposing/transferring material. Always store material in a tightly-sealed appropriate/approved storage vessel and properly stowed away in an approved fire-/flame-resistant storage area.

Personal Protective Equipment

Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye Protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin and Body Protection

Complete suit protecting against chemicals, flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene Measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	Liquid
Color	Colorless/Color of stain

Safety Data

VOC	400 g/L
pH	5-8
Melting/Freezing Point	No data available.
Boiling Point	>55°C (131°F)
Flash Point	>12.5°C (9.5°F)
Ignition Temperature	No data available.
Decomposition Temperature	No data available.
Autoignition Temperature	No data available.
Lower Explosion Limit	No data available.
Upper Explosion Limit	No data available.
Vapor Pressure	No data available.
Density	0.90 – 1.07 g/mL @ 25°C (77°F)
Viscosity	0.97 – 1.20 mPa·s @ 25°C (77°F)
Water Solubility	No data available.
Partition Coefficient	No data available.
n-octanol/water	No data available.
Relative Water Density	No data available.
Odor	Pleasant
Odor Threshold	No data available.
Evaporation Rate	No data available.

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions.
Reactivity	Flammable: May explode when exposed to flame. Stability: Stable material. Hazardous Polymerization: Will not occur.
Possibility of Hazardous Reactions	Vapors may form explosive mixture with air.
Conditions to Avoid	Heat, flames and sparks. Extremes of temperature and direct sunlight.
Materials to Avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids.
Hazardous Decomposition Products	Hazardous decomposition products formed under fire conditions – Carbon oxides. Other decomposition products – No data available.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity Estimate (ATE)	ATE US (Oral): No data available. ATE US (Dermal): No data available. ATE US (Vapors): No data available.
Skin Corrosion/Irritation	Causes skin irritation.
Serious Eye Damage/Eye Irritation	Causes serious eye irritation.
Respiratory or Skin Sensitization	Not classified.
Germ Cell Mutagenicity	Genotoxicity in vitro - Ames test - S. typhimurium - with and without metabolic activation – negative. Genotoxicity in vitro - in vitro assay - fibroblast – negative. Mutation in mammalian somatic cells. Genotoxicity in vivo - mouse - male and female - Intraperitoneal – negative. In vivo studies have shown that repeated exposure to this material, even at otherwise toxic doses, does not cause any mutagenic events. No tumorigenic response to the chronic recurrent application of the material to the skin of mice was observed.
Carcinogenicity	Not classified.
Reproductive Toxicity	Not classified.
Teratogenicity	Not classified.
Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System)	Not classified.
Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System)	Not classified.
Aspiration Hazard	Not classified.

Potential Health Effects	Inhalation: Toxic if inhaled. Causes respiratory tract irritation. Ingestion: Toxic if swallowed. Skin: Toxic if absorbed through skin. Causes skin irritation. Eyes: Causes eye irritation.
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12. ECOLOGICAL INFORMATION

Toxicity (Acetone)	Toxicity to fish: No data available. Toxicity to daphnia and other aquatic invertebrates: No data available. Toxicity to algae: No data available.
Persistence and Degradability	No data available.
Bioaccumulative Potential	Does not bioaccumulate.
Mobility in Soil	No data available.
Other Adverse Effects	Effect on Ozone Layer: No data available. Effect on Global Warming: No data available. Additional Ecological Information: Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging	Dispose of as unused product.
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14. TRANSPORT INFORMATION

DOT (US)	UN Number: 1993 Class: 3 Packing Group: II Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (ACETONE), 3, II
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15. REGULATORY INFORMATION

United States Inventory (TSCA 8b)	All components are listed or exempted.
OSHA Hazards	Flammable and Combustible liquid, Target Organ Effect, Toxic by inhalation, Toxic by ingestion, Toxic by skin absorption.
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 311/312 Hazards	Fire hazard, Acute health hazard, Chronic health hazard.
California Prop. 65 Components	This product contains a chemical (Ethanol (64-17-5)) known to the State of California to cause cancer, birth defects, reproductive harm, or developmental toxicity.

16. OTHER INFORMATION

Additional Information

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