

Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name . CFE 2000

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

Relevant identified use(s) . Food applications for meat and seafood. A wide variety of processed food products including dairy and meat processing. Water Treatment. Sequestrant for alkaline metals, scale control, corrosion control, softening, lead control, red and black water control.

1.3 Details of the supplier of the safety data sheet

Manufacturer . Ameripolish, Inc
120 Commercial Ave
Lowell, AR 72745

Telephone (Technical) . 479-725-0033

1.4 Emergency telephone number

Manufacturer . 800-424-9300 - Chemtrec - within USA and Canada

Section 2: Hazards Identification

EU/EEC

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP . Skin Irritation 2 - H315
Eye Irritation 2 - H319

DSD/DPD . Irritant (Xi)
R36/38

2.2 Label Elements

CLP

WARNING



Hazard statements . H315 - Causes skin irritation
H319 - Causes serious eye irritation

Precautionary statements

- Prevention** . P264 - Wash thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- Response** . P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P321 - Specific treatment, see supplemental first aid information.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.

DSD/DPD



Risk phrases . R36/38 - Irritating to eyes and skin.

Safety phrases . S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2.3 Other Hazards

- CLP** . According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.
- DSD/DPD** . According to European Directive 1999/45/EC this material is considered dangerous.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

- OSHA HCS 2012** . Skin Irritation 2 - H315
Eye Irritation 2 - H319

2.2 Label elements

OSHA HCS 2012

WARNING



Hazard statements . Causes skin irritation - H315
Causes serious eye irritation - H319

Precautionary statements

- Prevention** . Wash thoroughly after handling. - P264
Wear protective gloves/protective clothing/eye protection/face protection. - P280
- Response** . IF ON SKIN: Wash with plenty of soap and water. - P302+P352
Specific treatment, see supplemental first aid information. - P321
If skin irritation occurs: Get medical advice/attention. - P332+P313
Take off contaminated clothing and wash before reuse. - P362
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
If eye irritation persists: Get medical advice/attention. - P337+P313

2.3 Other hazards

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

- WHMIS
- Other Toxic Effects - D2B

2.2 Label elements

WHMIS



- Other Toxic Effects - D2B

2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Proprietary Ingredient #1 (1:5)	CAS:****_**_* EC Number:	> 18.8%	Ingestion/Oral-Rat LD50 624 mg/kg Skin-Rabbit LD50 • >928 mg/kg	EU DSD/DPD: Self Classified: Xi; R38 EU CLP: Self Classified: Skin Irrit. 2, H315 OSHA HCS 2012: Skin Irrit. 2	NDA
Proprietary ingredient #2 (1:4)	CAS:***_***_* EC Number:	< 1.2%	Ingestion/Oral-Rat LD50 • 0.8 g/kg	EU DSD/DPD: Self Classified: Xi; R36/37/38 EU CLP: Self Classified: Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3: Resp. Irrit., H335 OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3: Resp. Irrit.	NDA

See Section 16 for full text of H-statements and R-phrases.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

- Skin** . IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
- Eye** . Flush eyes with water for at least 15 minutes while holding eyelids open. Remove contact lenses if worn. If eye irritation persists: Get medical advice/attention.
- Ingestion** . Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Rinse mouth. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

4.2 Most important symptoms and effects, both acute and delayed

- . Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- . All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

4.4 Other information

- . Call 911 or emergency medical service. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media . Not combustible. Use extinguishing media suitable for surrounding fire.

Unsuitable Extinguishing Media . None known.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards . Non-combustible.

Hazardous Combustion Products . Oxides of sodium, oxides of phosphorus.

5.3 Advice for firefighters

- . Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
 LARGE FIRES: Move containers from fire area if you can do it without risk.
 LARGE FIRES: Do not scatter spilled material with high pressure water streams.
 LARGE FIRES: Dike fire-control water for later disposal.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions . Do not touch or walk through spilled material.

Emergency Procedures . Keep unauthorized personnel away.

6.2 Methods and material for containment and cleaning up

Containment/Clean-up Measures . Avoid generating dust.
 SMALL DRY SPILLS: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.
 LARGE SPILLS: Cover powder spill with plastic sheet or tarp to minimize spreading. Clean up residual material by washing area with water. Collect washings for disposal. Decontaminate tools and equipments after cleanup.

6.3 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Keep containers closed when not in use. Avoid breathing dust. Avoid direct or prolonged contact with skin and eyes. Do not ingest. Do not use in areas without adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Store in a tightly closed container. Product is hygroscopic and tends to cake on storage. Store in an area that is cool, dry and isolated from all toxic and harmful substances.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Argentina	Australia	Austria	Belgium
Proprietary Ingredient #1 Particulates not otherwise classified (PNOC)	TWAs	2 mg/m3 TWA (inhalable particles, recommended); 3 mg/m3 TWA (respirable particles, recommended) <i>as Particulates not otherwise classified (PNOC)</i>	2mg/m3 TWA [CMP] (inhalable fraction, particulate matter containing no asbestos and less than 1% crystalline silica); 0.6 mg/m3 TWA [CMP] (respirable fraction, particulate matter containing no asbestos and less than 1% crystalline silica) <i>as Particulates not otherwise classified (PNOC)</i>	Not established	Not established	0.6 mg/m3 TWA (alveolar fraction); 2 mg/m3 TWA (inhalable fraction) <i>as Particulates not otherwise classified (PNOC)</i>
Proprietary Ingredient #2 (1:4) (****_**_*)	TWAs	Not established	1 mg/m3 TWA [CMP]	1 mg/m3 TWA	Not established	1 mg/m3 TWA
	MAKs	Not established	Not established	Not established	1 mg/m3 TWA [TMW] (inhalable fraction)	Not established
	STELs	Not established	Not established	Not established	0.4mg/m3 STEL [KZW] (inhalable fraction, 4 X 15 min)	Not established
Exposure Limits/Guidelines (Con't.)						
	Result	China	Denmark	France	Indonesia	Ireland
	STELs	3.2 mg/m3 STEL (free SiO2 <10%, except asbestos and toxic substances. Use PC-STEL of silica When free SiO2 >10%,	Not established	Not established	Not established	Not established

Proprietary Ingredient #1 Particulates not otherwise classified (PNOC)		total) <i>as Particulates not otherwise classified (PNOC)</i>				
	TWAs	8 mg/m3 TWA (free SiO2 <10%, except asbestos and toxic substances. Use PC-TWA of silica When free SiO2 >10%, total) <i>as Particulates not otherwise classified (PNOC)</i>	Not established	Not established	10 mg/m3 TWA (not containing Asbestos and the crystal content is <1%, inhalable particulate); 3 mg/m3 TWA (not containing Asbestos and the crystal content is <1%, respirable particulate) <i>as Particulates not otherwise classified (PNOC)</i>	10 mg/m3 TWA (total inhalable); 4 mg/m3 TWA (respirable) <i>as Particulates not otherwise classified (PNOC)</i>
Proprietary Ingredient #2 (1:4)	TWAs	Not established	5 mg/m3 TWA	5 mg/m3 TWA [VME]	5 mg/m3 TWA	5 mg/m3 TWA

Exposure Limits/Guidelines (Con't.)

	Result	Israel	Korea	Malaysia	New Zealand	NIOSH
Proprietary Ingredient #1 as Particulates not otherwise classified (PNOC)	TWAs	2 mg/m3 TWA (recommended, inhalable particles); 0.6 mg/m3 TWA (recommended, respirable particles) <i>as Particulates not otherwise classified (PNOC)</i>	2 mg/m3 TWA (no more than 1% crystalline silica, Serial No. 699) <i>as Particulates not otherwise classified (PNOC)</i>	2 mg/m3 TWA (particulate matter containing no Asbestos and <1% crystalline Silica, inhalable fraction); 0.6 mg/m3 TWA (particulate matter containing no Asbestos and <1% crystalline Silica, respirable fraction) <i>as Particulates not otherwise classified (PNOC)</i>	0.6 mg/m3 TWA (respirable dust); 2 mg/m3 TWA (inhalable dust) <i>as Particulates not otherwise classified (PNOC)</i>	Not established
Proprietary Ingredient #2 (1:4)	TWAs	Not established	1 mg/m3 TWA (Serial No. 549)	1 mg/m3 TWA	1 mg/m3 TWA	1 mg/m3 TWA

Exposure Limits/Guidelines (Con't.)

	Result	Norway	OSHA	Portugal	Singapore	South Africa
				2 mg/m3 TWA [VLE-MP] (inhalable fraction, particulate matter containing no		

Proprietary Ingredient #1 as Particulates not otherwise classified (PNOC)	TWAs	2 mg/m3 TWA (total dust); 1 mg/m3 TWA (respirable dust) <i>as Particulates not otherwise classified (PNOC)</i>	3 mg/m3 TWA (total dust); 1 mg/m3 TWA (respirable fraction) <i>as Particulates not otherwise classified (PNOC)</i>	Asbestos and < 1% Crystalline silica); 0.6 mg/m3 TWA [VLE- MP] (respirable fraction, particulate matter containing no Asbestos and < 1% Crystalline silica) <i>as Particulates not otherwise classified (PNOC)</i>	1 mg/m3 PEL <i>as Particulates not otherwise classified (PNOC)</i>	Not established
Proprietary Ingredient #2 (1:4)	TWAs	1 mg/m3 TWA	Not established	Not established	1 mg/m3 PEL	1 mg/m3 TWA

Exposure Limits/Guidelines (Con't.)

	Result	Spain	Switzerland	Taiwan	United Kingdom	Venezuela
Proprietary Ingredient #1 as Particulates not otherwise classified (PNOC)	TWAs	2 mg/m3 TWA [VLA-ED] (recommended limit, this value is for the particulate matter that is free from Asbestos and contains less than 1% of Crystalline silica; no toxicological data to support TWA. Do not exceed generic limit value provided, inhalable fraction); 0.6 mg/m3 TWA [VLA-ED] (recommended limit, this value is for the particulate matter that is free from Asbestos and contains less than 1% of Crystalline silica; no toxicological data to support TWA. Do not exceed generic limit value provided, respirable fraction) <i>as Particulates not otherwise classified (PNOC)</i>	Not established	Not established	Not established	2 mg/m3 TWA [CAP (total inhalable particulate containing no Asbestos and <1% Crystalline silica, inhalable fraction)]; 0.6 mg/m3 TWA [CAP (total inhalable particulate containing no Asbestos and <1% Crystalline silica, respirable fraction)] <i>as Particulates not otherwise classified (PNOC)</i>
Proprietary Ingredient #2 (1:4)	MAKs	Not established	1 mg/m3 TWA [MAK] (inhalable)	Not established	Not established	Not established
	TWAs	1 mg/m3 TWA [VLA-ED]	Not established	1 mg/m3 TWA	1 mg/m3 TWA	1 ppm TWA [CAP]
	STELs	Not established	Not established	Not established	3mg/m3 STEL	Not established

Exposure Control Notations

South Africa

•Diphosphoric acid, sodium salt (1:4) (7722-88-5): **Skin:** (Skin Notation)

8.2 Exposure controls

Engineering Measures/Controls

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Personal Protective Equipment

Respiratory

- For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear safety glasses.

Skin/Body

- Wear appropriate gloves.

General Industrial Hygiene Considerations

- Do not use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

Key to abbreviations

MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration
 PEL = Permissible Exposure Level determined by the Occupational Safety and Health Administration (OSHA)

TWAEV = Time-Weighted Average Exposure Value
 ACGIH = American Conference of Governmental Industrial Hygiene
 Occupational Safety and Health
 OSHA = Administration

STEL = Short Term Exposure Limits are based on 15-minute exposures

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	White granules with no odor.
Color	White	Odor	Odorless
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point	622 C(1151.6 F)
Decomposition Temperature	Data lacking	pH	9.5 to 10.2
Specific Gravity/Relative Density	Data lacking	Water Solubility	Soluble
Viscosity	Data lacking	Explosive Properties	Not Explosive.
Oxidizing Properties:	Not an Oxidizer.		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
Flammability			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Not Flammable.		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- . No data available

10.2 Chemical stability

- . Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- . Hazardous polymerization will not occur.

10.4 Conditions to avoid

- . Dusting conditions, extreme heat, extreme humidity.

10.5 Incompatible materials

- . Strong acids, strong oxidizing agents.

10.6 Hazardous decomposition products

- . None known.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Sodium Tripolyphosphate								
Test Type	Dosage	Route	Species	Duration	Results	Test Class	Target Organs	Comments
Irritation		Skin	Rabbit	NDA	NDA	Moderate irritation	NDA	NDA
Irritation		Eye	Rabbit	NDA	NDA	Irritating (non-specific severity)	NDA	Unwashed.
Irritation		Eye	Rabbit	NDA	NDA	Essentially non-irritating	NDA	Washed.
Irritation	= 3900 mg/kg	Unreported Route	Rat	NDA	NDA	NDA	NDA	NDA
Irritation	= 4640 mg/kg	Unreported Route	Rabbit	NDA	NDA	NDA	NDA	NDA

Component Name	CAS	Data
Proprietary Ingredient #1 (1:5) (> 3.72%)	****_*_*	Irritation: skn-rbt 20 mg/24H MOD; Multi-dose Toxicity: orl-rat TDLo:109.2 mg/kg/13W-I
Proprietary Ingredient #2 (1:4) (< 0.24%)	****_**_*	Acute Toxicity: orl-rat LD50:0.8 gm/kg; skn-rbt LD :>12 mg/kg

GHS Properties	Classification
Acute toxicity	EU/CLP • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Data lacking; Acute Toxicity - Oral - Classification criteria not met OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Data lacking; Acute Toxicity - Oral - Classification criteria not met
Aspiration Hazard	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Carcinogenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking

Skin corrosion/Irritation	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
Skin sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-RE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-SE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Respiratory sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Serious eye damage/Irritation	EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2

Route(s) of entry/exposure

- . Inhalation, Skin, Eye, Ingestion

Medical Conditions Aggravated by Exposure Potential Health Effects

- . Disorders of the lungs.

Inhalation

Acute (Immediate)

- . May cause irritation. Processes such as cutting, grinding, crushing, or impact may result in generation of excessive amounts of airborne dusts in the workplace. Nuisance dust may affect the lungs but reactions are typically reversible.

Chronic (Delayed)

- . No data available.

Skin

Acute (Immediate)

- . Causes skin irritation.

Chronic (Delayed)

- . No data available.

Eye

Acute (Immediate)

- . Causes serious eye irritation.

Chronic (Delayed)

- . No data available.

Ingestion

Acute (Immediate)

- . Low acute oral toxicity. Ingestion of large quantities may cause abdominal pain, abdominal cramps, nausea, vomiting, diarrhea.

Chronic (Delayed)

- . No data available.

Key to abbreviations

LD = Lethal Dose

MOD = Moderate

TD = Toxic Dose

Section 12 - Ecological Information

12.1 Toxicity

- . No data found for product.

12.2 Persistence and degradability

- . No specific biodegradation test data located. While the alkalinity of this material is readily reduced in natural waters, the resulting phosphate may persist indefinitely or

incorporate into biological systems.

12.3 Bioaccumulative potential

- No data found for product.

12.4 Mobility in Soil

- No data found for product.

12.5 Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been carried out.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for user

- None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Not relevant.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications . Acute

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EUEINECS	EU ELNICS
Proprietary Ingredient #2(1:4)	****_**_*	Yes	No	Yes	Yes	No
Proprietary Ingredient #1(1:5)	****_**_*	Yes	No	Yes	Yes	No

Inventory (Con't.)				
Component	CAS	New Zealand	Philippines PICCS	TSCA
Diphosphoric acid, sodium salt (1:4)	****_**_*	Yes	Yes	Yes
Triphosphoric acid, sodium salt	****_**_*	Yes	Yes	Yes

