

ULTRAFINISH(TM) PRO Revision Number 2

Revision Date 07-Nov-2018 Supersedes Date: 21-Apr-2016

1. Identification

1.1. Product Identifier

Product Name ULTRAFINISH(TM) PRO

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

Recommended use Cement

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Responsible Party

Bostik Inc.

11320 W. Watertown Plank Road Wauwatosa, Wisconsin 53226 USA

Phone: +1 (800) 843-0844 (Domestic Toll Free)

Phone: +1 (414) 774-2250 (International)

Fax: +1 (414) 774-8075

E-mail msds@bostik.com

Manufacturer

Bostik Inc.

11320 W. Watertown Plank Road Wauwatosa, Wisconsin 53226 USA

Phone: +1 (800) 843-0844 (Domestic Toll Free) Phone: +1 (414) 774-2250 (International)

Fax: +1 (414) 774-8075

1.4. Emergency telephone number

Telephone: 1-800-227-0332 (Outside U.S.) 1-703-527-3887

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 1

2.2. Label Elements

EMERGENCY OVERVIEW

Danger

Hazard statements

Causes serious eye damage
May cause an allergic skin reaction
May cause cancer
Causes demage to organs through a

Causes damage to organs through prolonged or repeated exposure

May cause respiratory irritation

ULTRAFINISH(TM) PRO Revision Number 2 Revision Date 07-Nov-2018 Supersedes Date: 21-Apr-2016



Appearance Powder

Physical State Solid

Odor No information available

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

Use only outdoors or in a well-ventilated area

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Specific treatment (see first aid measures on this label)

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 or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

Not applicable

Unknown acute toxicity

31 % of the mixture consists of ingredient(s) of unknown toxicity

2.3. Other Information

Product dust may be irritating to eyes, skin and respiratory system. When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when wearing trousers. Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung disease.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture

3.2 Mixtures

Chemical Name	CAS No.	Weight-%
onemiour nume	OAO NO.	VVCIGITE /0

ULTRAFINISH(TM) PRORevision Date07-Nov-2018Revision Number2Supersedes Date:21-Apr-2016

Cement, alumina, chemicals	65997-16-2	30 - 60
Ashes, residues	68131-74-8	5 - 10
Quartz	14808-60-7	5 - 10
Limestone	1317-65-3	3 - 7
Calcium Sulfoaluminate Cement	960375-09-1	1 - 5
Calcium sulfate	7778-18-9	1 - 5
Slags, ferrous metal, blast furnace	65996-69-2	1 - 5
Calcium oxide	1305-78-8	1 - 5
Bentonite	1302-78-9	1 - 5
Cellulose	9004-34-6	1 - 5
Cement, portland, chemicals	65997-15-1	0.1 - 1

^{*}The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice Immediate medical attention is required. If symptoms persist, call a physician.

Eye contact If symptoms persist, call a physician. In case of eye contact, remove contact lens and rinse

immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin contact If skin irritation persists, call a physician. Brush off loose particles from skin. Wash off

immediately with plenty of water for at least 15 minutes.

Inhalation Remove to fresh air. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this

container or label. Rinse mouth.

Self-protection of the first aiderUse personal protective equipment as required.

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

Symptoms No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization of susceptible persons. Treat symptomatically.

4.4. Reference to Other Sections

Reference to other sections Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Section 11: TOXICOLOGY INFORMATION

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing agent suitable for type of surrounding fire.

Unsuitable extinguishing media

None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

ULTRAFINISH(TM) PRORevision Date 07-Nov-2018Revision Number 2Supersedes Date: 21-Apr-2016

Hazardous Combustion

Products

Carbon oxides.

Explosion Data

Sensitivity to mechanical impact Sensitivity to static discharge None.

5.3. Advice for firefighters

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid creating dust. Do not get in eyes, on skin, or on clothing. Wear protective

gloves/protective clothing and eye/face protection.

For emergency responders Sweep up to prevent slipping hazard.

6.2. Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do

not flush into surface water or sanitary sewer system. See Section 12 for additional

Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent dust cloud. Take up mechanically, placing in appropriate containers for disposal.

Methods for cleaning upSweep up and shovel into suitable containers for disposal. Avoid creating dust.

6.4. Reference to other sections

Reference to other sections Section 7: HANDLING AND STORAGE

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Section 13: DISPOSAL CONSIDERATIONS

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling Wash contaminated clothing before reuse. Handle in accordance with good industrial

hygiene and safety practice. Avoid generation of dust. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep out of the reach of children. Protect from direct contact with water or excessive

moisture. Keep the packing dry and well sealed to prevent contamination and absorption of humidity. Keep container tightly closed and dry. Product cures with moisture. Keep from

freezing.

Incompatible materials Acids. Aluminum. Alkali.

7.3. Specific end use(s)

ULTRAFINISH(TM) PRORevision Date07-Nov-2018Revision Number2Supersedes Date:21-Apr-2016

Specific Use(s)

Cement.

Other information No information available.

7.4. References to Other Sections

Reference to other sections Section 13: DISPOSAL CONSIDERATIONS

Section 10: STABILITY AND REACTIVITY

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Cement, alumina, chemicals	J \ /	-	-	-
65997-16-2	mg/m³(resp)			
Ashes, residues	TWA: 1 mg/m³ Cu dust and	IDLH: 100 mg/m ³ Cu dust	-	-
68131-74-8	mist	and mist IDLH: 10 mg/m ³ Ni		
		Ceiling: 0.05 mg/m³ V dust		
		and fume 15 min		
		TWA: 1 mg/m ³ Cu dust and		
		mist TWA: 0.015 mg/m ³		
		except Nickel carbonyl Ni		
Quartz	TWA: 0.025 mg/m ³	IDLH: 50 mg/m³ respirable	TWA: 50 μg/m³ TWA: 50	TWA: 0.1 mg/m ³
14808-60-7	respirable particulate matter	dust	μg/m³ excludes	
		TWA: 0.05 mg/m ³	construction work,	
		respirable dust	agricultural operations, and	
			exposures that result from	
			the processing of sorptive	
			clays	
			: (250)/(%SiO2 + 5) mppcf	
			TWA respirable fraction	
			: (10)/(%SiO2 + 2) mg/m ³ TWA respirable fraction	
Limanton		TMA: 40 mm/m² total direct		TIMA: 40 mm m/mm3
Limestone	-	TWA: 10 mg/m³ total dust	TWA: 15 mg/m³ total dust	TWA: 10 mg/m ³
1317-65-3		TWA: 5 mg/m³ respirable dust	TWA: 5 mg/m³ respirable fraction	STEL: 20 mg/m ³
Calcium sulfate	TWA: 10 mg/m ³ inhalable	TWA: 10 mg/m³ total dust	TWA: 15 mg/m³ total dust	TWA: 10 mg/m ³
7778-18-9	particulate matter	TWA: 10 mg/m ³ total dust	TWA: 15 mg/m³ respirable	TVVA: TO mg/m°
7776-16-9	particulate matter	dust	fraction	
Calcium oxide	TWA: 2 mg/m ³	IDLH: 25 mg/m ³	TWA: 5 mg/m ³	TWA: 2 mg/m ³
1305-78-8	I WA. 2 mg/m	TWA: 2 mg/m ³	TWA. 5 mg/m	TVVA. 2 mg/m²
Bentonite	TWA: 1 mg/m³ respirable	- TWA. 2 mg/m	_	_
1302-78-9	particulate matter			
Cellulose	TWA: 10 mg/m ³	TWA: 10 mg/m³ total dust	TWA: 15 mg/m³ total dust	TWA: 10 mg/m ³
9004-34-6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TWA: 5 mg/m³ respirable	TWA: 5 mg/m³ respirable	STEL: 20 mg/m ³
		dust TWA: 1 mg/m³	fraction	3 · == · = · · · · · · · · · · · · ·
Cement, portland, chemicals	TWA: 1 mg/m³ particulate	IDLH: 5000 mg/m ³	TWA: 15 mg/m³ total dust	TWA: 10 mg/m ³
65997-15-1	matter containing no	TWA: 10 mg/m³ total dust	TWA: 5 mg/m³ respirable	STEL: 20 mg/m ³
	asbestos and <1%	TWA: 5 mg/m³ respirable	fraction	5
	crystalline silica, respirable	dust	TWA: 50 mppcf <1%	
	particulate matter		Crystalline silica	

Chemical Name	Argentina	Brazil	Chile	Venezuela
Quartz 14808-60-7	TWA: 0.05 mg/m ³	-	TWA: 0.08 mg/m ³	TWA: 0.025 mg/m ³
Limestone 1317-65-3	TWA: 10 mg/m ³	-	TWA: 7 mg/m ³	-
Calcium sulfate 7778-18-9	TWA: 10 mg/m ³	-	-	TWA: 10 mg/m ³

ULTRAFINISH(TM) PRO Revision Date 07-Nov-2018 **Revision Number** 2 Supersedes Date: 21-Apr-2016

Calcium oxide 1305-78-8	TWA: 2 mg/m ³	-	TWA: 1.75 mg/m ³	TWA: 2 mg/m ³
Cellulose 9004-34-6	TWA: 10 mg/m ³	-	TWA: 8.8 mg/m³	TWA: 10 mg/m ³
Cement, portland, chemicals 65997-15-1	TWA: 10 mg/m ³	-	TWA: 8.8 mg/m ³	TWA: 10 mg/m ³

8.2. Exposure controls

Engineering controls Showers

Eyewash stations Ventilation systems.

Personal protective equipment [PPE]

Eye/face protection Tight sealing safety goggles. Face protection shield. Wear safety glasses with side shields

Skin and body protection Wear suitable chemical resistant gloves. The selection of suitable gloves does not only

> depend on the material, but also on further marks of quality and various manufacturers. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

Respiratory protection respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and **General hygiene considerations**

clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly

None known

after handling. Keep away from food, drink and animal feeding stuffs.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State Solid Powder **Appearance** Color

Odor No information available **Odor Threshold** No information available

Values Remarks • Method **Property**

No information available рH Melting point / freezing point No data available Boiling point / boiling range No data available

No data available °C / °F **Flash Point** No information available **Evaporation Rate** Flammability (solid, gas) No information available

Flammability Limit in Air

Upper flammability or explosive No information available

limits

Lower flammability or explosive No information available

limits

Vapor Pressure No information available No information available Vapor Density **Relative Density** No information available

Water Solubility Partially soluble

Solubility in Other Solvents

Partition coefficient No information available No information available **Autoignition Temperature Decomposition Temperature** No information available **Kinematic Viscosity** No information available

Dynamic Viscosity No information available

Page 6/11

ULTRAFINISH(TM) PRO

Revision Number 2

Revision Date 07-Nov-2018

Supersedes Date: 21-Apr-2016

Explosive properties No information available Oxidizing properties No information available

9.2. Other information

Softening PointNo information availableMolecular WeightNo information availableSolvent content (%)No information availableSolid content (%)100

Density No information available

VOC (volatile organic compound)

No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

None under normal use conditions.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Incompatible materials. Protect from moisture. Product cures with moisture. Keep away from heat, sparks and flames.

10.5. Incompatible materials

Acids. Aluminum. Alkali.

10.6. Hazardous decomposition products

Carbon oxides. Hydrogen sulfide.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Product information No data available

Inhalation May cause irritation of respiratory tract.

Eye contact Corrosive to eyes.

Skin contact IngestionBased on available data, the classification criteria are not met.
Based on available data, the classification criteria are not met.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Cement, alumina, chemicals 65997-16-2	LD50 >2000 mg/Kg Rat	LD50 >2000 mg/Kg Rat	-
Ashes, residues 68131-74-8	> 2000 mg/kg (Rat)	-	-
Quartz 14808-60-7	>20000 mg/kg	-	-
Limestone 1317-65-3	>5000 mg/kg (rat)	-	-

ULTRAFINISH(TM) PRORevision Date07-Nov-2018Revision Number2Supersedes Date:21-Apr-2016

Calcium Sulfoaluminate Cement 960375-09-1	>2000 mg/Kg	-	-
Calcium sulfate 7778-18-9	> 3000 mg/kg (Rat)	-	CL50 >2.61 mg/L (4h) Rat
Slags, ferrous metal, blast furnace 65996-69-2	LD50 >2000 mg/Kg	-	-
Calcium oxide 1305-78-8	>2000 mg/kg (Rat)	LD50 > 2500 mg/kg (rabbit)	-
Bentonite 1302-78-9	> 5000 mg/kg (Rat)	-	-
Cellulose 9004-34-6	> 5 g/kg (Rat)	> 2 g/kg (Rabbit) > 2000 mg/kg (Rabbit)	> 5800 mg/m³(Rat)4 h
Cement, portland, chemicals 65997-15-1	LD50 >2000 mg/Kg (Rat)	LD50 >2000 mg/Kg	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Symptoms
Skin corrosion/irritation
Serious eye damage/eye irritation
Irritation
Corrosivity
No information available.
Causes severe eye damage.
No information available.
No information available.

Sensitization No information available. May produce an allergic reaction.

Germ Cell Mutagenicity
Reproductive Toxicity
Developmental Toxicity
Tratagenicity
No information available.
No information available.
No information available.
No information available.

STOT - single exposure May cause respiratory irritation.

STOT - repeated exposureCauses damage to organs through prolonged or repeated exposure.

Chronic Toxicity Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated

exposure. May cause adverse liver effects.

Target Organ Effects Eyes, Respiratory system, Skin, Kidney, Liver, Lungs, Nasal Cavities.

Aspiration hazard No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ashes, residues 68131-74-8	-	Group 1	Known	Х
Quartz 14808-60-7	A2	Group 1	Known	Х
Cellulose 9004-34-6	-	Group 1	Known	Х

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Chemical Name Algae/aquatic plants	Fish	Toxicity to	Crustacea
------------------------------------	------	-------------	-----------

Revision Date 07-Nov-2018

Supersedes Date: 21-Apr-2016

ULTRAFINISH(TM) PRO Revision Number 2

			Microorganisms	
Cement, alumina, chemicals 65997-16-2	EC50 (72h)Algae (Pseudokirchneriella subcapitata) >5.6mg/L	LC50 (96h) Fish (Onchorhyncus mykiss) >100 mg/L (OECD 203)	<u></u>	EC50 (48h) Daphnia magna =6.6mg/L (OECD 202)
Ashes, residues 68131-74-8				EC50: 140 - 2000mg/L (24h, Daphnia magna)
Limestone 1317-65-3	CE50 (72h) >200mg/L Algae (Desmondesmus subspicatus)	CL50 (96h)>10000mg/L Fish (Oncorhynchus mykiss)		CE50 (48h) >1000 mg/L Daphnia Magna
Calcium sulfate 7778-18-9	CL50 (72h) >100 mg/L Algae	LC50: >1970mg/L (96h, Pimephales promelas) LC50: =2980mg/L (96h, Lepomis macrochirus)		CE50 (48h) >100 mg/L Waterflea (Daphnia magna)
Calcium oxide 1305-78-8	EC50 (Pseudokirchneriella subcapitata (green algae)): 106,02 mg/l End point: Growth rate Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes	LC50 96 h = 50.6 mg/L (Oncorhynchus mykiss)	EC50 (Bacteria): 229,2 mg/l Exposure time: 3 h Test Type: static test Method: OECD Test Guideline 209 GLP: yes	EC50 (48h) = 49.1 mg/l(Daphnia magna) OECD 202
Bentonite 1302-78-9	EC50 (72h)> 100 mg/L (Desmodesmus subspicatus)	LC50: =19000mg/L (96h, Oncorhynchus mykiss) LC50: 8.0 - 19.0g/L (96h, Salmo gairdneri)		EC50 (48h) > 100 mg/L (Daphnia magna) OECD 202

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal of Wastes It is the responsibility of the waste generator to determine the toxicity and physical

properties of the material generated to determine the proper waste identification and

disposal methods in compliance with applicable regulations

Contaminated packaging Dispose of in accordance with federal, state and local regulations

Section 14: TRANSPORT INFORMATION

DOTNot regulatedIATANot regulatedIMDGNot regulated

ULTRAFINISH(TM) PRO Revision Number 2

Revision Date 07-Nov-2018

Supersedes Date: 21-Apr-2016

Section 15: REGULATORY INFORMATION

Global Inventories

TSCA	Listed
DSL	Not Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substances List

Listed - The components of this product are either listed or exempt from listing on inventory.

Not Listed - One or more components of this product are not listed on inventory.

United States of America

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No.
Ashes, residues	68131-74-8

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Europe

Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

No information available

Key Literature References and Sources for Data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision Date 07-Nov-2018

Revision note Not applicable.

Training Advice No information available

Page 10 / 11

ULTRAFINISH(TM) PRO Revision Number 2

Revision Date 07-Nov-2018

Supersedes Date: 21-Apr-2016

Further information

No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet