SAFETY DATA SHEET



Date of issue/Date of revision 5 February 2020 Version 1

Section 1. Identification	
Product name	: AU-1 CS Aluminum Gray
Product Number	: 20 oz. Sausage: TS 00419. 2 gal: TS-00425. 5 gal TS-00437
Other means of identification	: Caulk, Sealant
Product type	: Paste
Relevant identified uses of	the substance or mixture and uses advised against
Product use	: Consumer applications, Professional applications.
Use of the substance/ mixture	: Caulking, Sealing
Uses advised against	: Not applicable.
Supplier	: Tower Sealants 2095 Memorial Park Road Gainesville, GA 30504
Emergency telephone number	: Chemtrec: 1-800-424-9300
Technical Phone Number	: 1-770-535-8782 (8:00 am to 5:00 pm EST)

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: CARCINOGENICITY - Category 1A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 63%
GHS label elements	\wedge
Hazard pictograms	
Signal word	: Danger
Hazard statements	: May cause eye irritation
	: May cause cancer
	: May cause genetic defects
	: May cause damage to organs through prolonged exposure.

Date of issue 5 February 2020 Version 1

Product code 20 oz. Sausage: TS 00419. 2 gal: TS-00425. 5 gal TS-00437

Section 2. Hazards identification

Precautionary statements

General	 Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe vapor.
Response	: Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention.
Storage	: Store locked up.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: Sanding and grinding dusts may be harmful if inhaled. This product contains Crystalline Silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Since this product is not meant to be sanded or sprayed, risk of exposure is considered low. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.
Hazards not otherwise classified	: Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Product name	: AU-1 CS Aluminum Gray

Ingredient name	%	CAS number
Limestone	10 - 30	1317-65-3
White mineral oil (petroleum)	1 - 5	8042-47-5
Ethylene Glycol	0.5 - 1.5	107-21-1
Titanium Dioxide	0.5 - 1.5	13463-67-7
Crystalline Silica, respirable powder (<10 microns)	0.1 - 1	14808-60-7

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person. Description of necessary first aid measures

Eye contact

: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

United States	Page: 2/13	
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Product code 20 oz. Sausage: TS 00419. 2 gal: TS-00425. 5 gal TS-00437

Section 4. First aid measures

Inhalation :	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact :	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion :	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

Most important sympt	oms/effects, acute and delayed
Potential acute healt	<u>n effects</u>
Eye contact	: Direct contact may cause slight to moderate irritation.
Inhalation	: May cause slight irritation to respiratory passages – headache – dizziness.
Skin contact	 May cause allergic skin reactions and / or central nervous system depression. May cause skin dryness and irritation.
Ingestion	: Low ingestion hazard in normal use.

Over-exposure signs/symptoms Eye contact : No specific data. Inhalation : No specific data. Skin contact : Adverse symptoms may include the following: irritation dryness cracking Ingestion : No specific data.

Indication of immediate med	dical attention and special treatment needed, if necessary
Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.

Date of issue 5 February 2020 Version 1

Product code 20 oz. Sausage: TS 00419. 2 gal: TS-00425. 5 gal TS-00437

Section 5. Fire-fighting measures

Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
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Section 6. Accidental release measures

Personal precautions. protec	tive equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for co	entainment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Product name AU-1 CS Aluminum Gray Date of issue 5 February 2020 Version 1

Product code 20 oz. Sausage: TS 00419. 2 gal: TS-00425. 5 gal TS-00437

Section 7. Handling and storage

Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Special precautions	: If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	: Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Limestone	OSHA PEL (United States, 2/2013).
	TWA: 5 mg/m ³ 8 hours. Form: Respirable
	fraction
	TWA: 15 mg/m ³ 8 hours. Form: Total dust
White mineral oil (petroleum)	ACGIH TLV (United States, 6/2013).
	TWA: 5 mg/m ³ 8 hours. Form: Inhalable
	fraction
	OSHA PEL (United States, 2/2013).
Ethylene Glycol	TWA: 5 mg/m ³ 8 hours.
	ACGIH TLV (United States, 6/2013).
	C: 100 mg/m ³ Form: Aerosol
	OSHA PEL (United States, 2/2013).
Titanium Dioxide	TWA: 15 mg/m ³ 8 hours. Form: Total dust
	ACGIH TLV (United States, 6/2013).
	TWA: 10 mg/m ³ 8 hours.
	ACGIH TLV (United States, 6/2013).
Crystalline Silica, respirable powder (<10 microns)	TWA: 0.025 mg/m ³ 8 hours. Form:
	Respirable
	OSHA PEL Z3 (United States, 2/2013).
	United States Page: 5/13

Product code 20 oz. Sausage: TS 00419. 2 gal: TS-00425. 5 gal TS-00437

Section 8. Exposure controls/personal protection TWA: 10 MG/M3 / (%SiO2+2) 8 hours. Form:

controlslocal exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.Environmental exposure: Emissions from ventilation or work process equipment should be checked to ensure			Respirable TWA: 250 MPPCF / (%SiO2+5) 8 hours. Form: Respirable
A = Acceptable Maximum Peak S = Potential shin absorption CGHH - Respiratory sensitization S = Respiratory sensitization CH - Celling Limit SS = Skin sensitization PE - Elling Limit SS = Skin sensitization R = Respiratory sensitization = Total dust QH - Coclupational Safeky and Health Administration. TUV = Timeshod Limit Value R = Respiratole = Total dust = This prostod Limit Value Recommended monitoring : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the decemments of the accessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances Environmental exposure : If user operations generate dust, frames, gas, vapor or mist, use process enclosures, local exhaust ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, rume scrub revisions to acceptable levels. Environmental exposure : Ensistons from ventilation or work process equipment should be checked to ensure they comply with the requirements of environme		Kev to abbreviations	
Recommended monitoring procedures If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required. Appropriate engineering controls If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or orther engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Environmental exposure controls Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Individual protection measures I Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Eye/face protection Safety glasses with side shields. Skin protection Chemical-resistant, impervious gloves complying with an approved standard should be work at all times when handling chemical products if a risk assessment indicates this is necessary. C	ACGIH = American Conference of C = Ceiling Limit F = Fume IPEL = Internal Permissible Exp OSHA = Occupational Safety and R = Respirable	eak [:] Governmental Industrial Hygienists. osure Limit I Health Administration.	SR= Respiratory sensitizationSS= Skin sensitizationSTEL= Short term Exposure limit valuesTD= Total dustTLV= Threshold Limit Value
Recommended monitoring procedures If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required. Appropriate engineering controls If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or orther engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Environmental exposure controls Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Individual protection measures I Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Eye/face protection Safety glasses with side shields. Skin protection Chemical-resistant, impervious gloves complying with an approved standard should be work at all times when handling chemical products if a risk assessment indicates this is necessary. C	Consult local authorities for a	acceptable exposure limits.	
controlslocal exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.Environmental exposure: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.Individual protection measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.Eye/face protection Skin protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.Gloves:Body protection: Personal protective equipment for the body should be approved by a specialist before 	Recommended monitoring	: If this product contains ingredients with e 	y be required to determine the effectiveness of s and/or the necessity to use respiratory d be made to appropriate monitoring standards. Ints for methods for the determination of
 Environmental exposure : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Individual protection measures Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Eye/face protection Safety glasses with side shields. Exercision Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Other skin protection Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. 	Appropriate engineering controls	local exhaust ventilation or other engine	ering controls to keep worker exposure to
Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.Eye/face protection Skin protection: Safety glasses with side shields.Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.Gloves:Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.	Environmental exposure controls	: Emissions from ventilation or work proce they comply with the requirements of en cases, fume scrubbers, filters or engine	ess equipment should be checked to ensure vironmental protection legislation. In some ering modifications to the process equipment
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Skin protectionHand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.::Body protection:Other skin protection::Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.	Hygiene measures	eating, smoking and using the lavatory a Appropriate techniques should be used Wash contaminated clothing before reus	and at the end of the working period. to remove potentially contaminated clothing. sing. Ensure that eyewash stations and safety
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Gloves:Body protection:Other skin protection:Other skin protection:Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.Other skin protection:Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.	Hand protection	worn at all times when handling chemica necessary. Considering the parameters during use that the gloves are still retain noted that the time to breakthrough for a glove manufacturers. In the case of mix	al products if a risk assessment indicates this is specified by the glove manufacturer, check ing their protective properties. It should be any glove material may be different for different ctures, consisting of several substances, the
Other skin protection performed and the risks involved and should be approved by a specialist before handling this product. Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.	Gloves		-
Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.	Body protection	performed and the risks involved and sh	
United States Page: 6/13	Other skin protection	: Appropriate footwear and any additional based on the task being performed and	
			United States Page: 6/13

Date of issue 5 February 2020 Version 1

Product code 20 oz. Sausage: TS 00419. 2 gal: TS-00425. 5 gal TS-00437

Section 8. Exposure controls/personal protection

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Respiratory protection : Respiratory are exp
certified
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: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Section 9. Physical and chemical properties

Appearance	
Physical state	: Paste
Color	: Aluminum Gray
Odor	: Mild Acrylic
Odor threshold	: Not available.
рН	: 7.5-8.5
Melting point	: Not available.
Boiling point	: >37.78°C (>100°F)
Flash point	: Closed cup: 93.89°C (201°F)
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Evaporation rate	: 0.31 (butyl acetate = 1)
Vapor pressure	: 2.3 kPa (17 mm Hg) [room temperature]
Vapor density	: Not available.
Relative density	: 1.16
Density (Ibs / gal)	: 9.68
Solubility	: Soluble in Water
Partition coefficient: n- octanol/water	: Not available.
Viscosity	: 15-40 g/s
Volatility	: 35% (v/v), 31% (w/w)
% Solid. (w/w)	: 69
Contine 10 Stabili	the and reactivity

Section 10. Stability and reactivity

	United States Page: 7/13
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Chemical stability	: The product is stable.
Reactivity	: No specific test data related to reactivity available for this product or its ingredients.

Date of issue 5 February 2020 Version 1

Product code 20 oz. Sausage: TS 00419. 2 gal: TS-00425. 5 gal TS-00437

Section 10. Stability and reactivity

Refer to protective measures listed in sections 7 and 8.

Incompatible materials : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids. Hazardous decomposition products : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Res	sult			Species	Dose	Exposure
White mineral oil (petroleum)	LD5	50 Oral			Rat	>5000 mg/kg	-
Ethylene Glycol		50 Derma	I		Rabbit	9.53 g/kg	-
T ² · D ¹ · I		50 Oral			Rat	4700 mg/kg	-
Titanium Dioxide	LD	50 Oral			Rat	>10 g/kg	-
Conclusion/Summary	: Tł	nere are r	no data av	vailable on th	e mixture itse	elf.	
Irritation/Corrosion							
Conclusion/Summary							
Skin	: Tł	nere are r	no data a	vailable on th	ne mixture itse	elf.	
Eyes	: Tł	nere are r	no data a	vailable on th	ne mixture itse	elf.	
Respiratory	: Th	nere are r	no data av	vailable on th	e mixture itse	elf.	
Sensitization							
Conclusion/Summary							
Skin	: Tł	nere are r	no data a	vailable on th	e mixture itse	elf.	
Respiratory	: Tł	nere are r	no data av	vailable on th	e mixture itse	elf.	
<u>Mutagenicity</u>							
Conclusion/Summary : There are no data available on the mixture itself.							
<u>Carcinogenicity</u>							
Conclusion/Summary : There are no data available on the mixture itself.							
Classification							
Product/ingredient name		OSHA	IARC	NTP			
Titanium Dioxide		-	2B	-			
Crystalline Silica, respirable powder (<10 microns)		-	1	Known to be	e a human car	rcinogen.	

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4 NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen OSHA: + Not listed/not regulated: -

Reproductive toxicity

Conclusion/Summary

There are no data available on the mixture itself.

Teratogenicity

United States	Page: 8/13
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Product code 20 oz. Sausage: TS 00419. 2 gal: TS-00425. 5 gal TS-00437

Section 11. Toxicological information

Conclusion/Summary : There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Name	Category
Ethylene Glycol	Category 2
Crystalline Silica, respirable powder (<10 microns)	Category 2

Target organs

: Contains material which may cause damage to the following organs: kidneys, lungs, heart, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

Aspiration hazard

Name	Result
White mineral oil (petroleum)	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Potential acute health effects

effects	United States Page: 9/13
Potential immediate	: There are no data available on the mixture itself.
Long term exposure	
Potential delayed effects	: There are no data available on the mixture itself.
Potential immediate effects	: There are no data available on the mixture itself.
Short term exposure	
Conclusion/Summary	There are no data available on the mixture itself. This product contains Crystalline Silic which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.
	ts and also chronic effects from short and long term exposure
Ingestion	No specific data.
	cracking
	dryness
Skin contact	: Adverse symptoms may include the following: irritation
Inhalation	: No specific data.
Eye contact	: No specific data.
Over-exposure signs/symp	toms
Ingestion	: Low ingestion hazard in normal use.
Skin contact	: May cause allergic skin reactions and / or central nervous system depression. May cau skin dryness and irritation.
Inhalation	: May cause slight irritation to respiratory passages – headache – dizziness.
Eye contact	: Direct contact may cause slight to moderate irritation.

Date of issue 5 February 2020 Version 1

Product code 20 oz. Sausage: TS 00419. 2 gal: TS-00425. 5 gal TS-00437

Section 11. Toxicological information

Potential delayed effects	: There are no data available on the mixture itself.		
Potential chronic health eff	i <mark>cts</mark>		
General	May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.		
Carcinogenicity	: May cause cancer. Risk of cancer depends on duration and level of exposure.		
Mutagenicity	No known significant effects or critical hazards.		
Teratogenicity	: No known significant effects or critical hazards.		
Developmental effects	: No known significant effects or critical hazards.		
Fertility effects	: No known significant effects or critical hazards.		
Numerical measures of tox	<u>iity</u>		
Acute toxicity estimates			
Route	ATE value		
Oral	14103.8 mg/kg		

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute EC50 100 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
White mineral oil (petroleum)	>6	-	high
Ethylene Glycol	-1.36		Iow

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a

United States Page: 10/13

Product code 20 oz. Sausage: TS 00419. 2 gal: TS-00425. 5 gal TS-00437

Section 13. Disposal considerations

safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

14. Transport information

	DOT	IMDG	IATA
UN number	UN3082	Not regulated.	Not regulated.
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (carbendazim (ISO))	-	-
Transport hazard class (es)	9	-	-
Packing group	III	-	-
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.
Product RQ (lbs)	14992.5	Not applicable.	Not applicable.
RQ substances	(carbendazim (ISO))	Not applicable.	Not applicable.

Additional information

DOT	 Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.
IMDG	: None identified.
ΙΑΤΑ	: None identified.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

United States inventory (TSCA 8b)	: All components are listed or exempted.
Australia inventory (AICS)	: Not determined.
Canada inventory (DSL)	: All components are listed or exempted.
China inventory (IECSC)	: Not determined.
Europe inventory (REACH)	: Please contact your supplier for information on the inventory status of this material.
Japan inventory (ENCS)	: Not determined.

United States

Page: 11/13

Date of issue 5 February 2020 Version 1

Product code 20 oz. Sausage: TS 00419. 2 gal: TS-00425. 5 gal TS-00437

Section 15. Regulatory information

Korea invento	ry (KEC	I) :	Not determined.
New Zealand () :	Not determined.

Philippines inventory (PICCS) : Not determined.

United States

SARA 302/304 SARA 304 RQ

: Not applicable.

Composition/information on ingredients

No products were found.

SARA 311/312

Classification

: Immediate (acute) health hazard D elayed (chronic) health hazard

Composition/information on ingredients

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
White mineral oil (petroleum)	No.	No.	No.	Yes.	No.
Ethylene Glycol	No.	No.	No.	Yes.	Yes.
Titanium Dioxide	No.	No.	No.	No.	Yes.
Crystalline Silica, respirable powder (<10 microns)	No.	No.	No.	No.	Yes.

SARA 313

Supplier notification

Chemical name : Ethylene Glycol CAS number 107-21-1 Concentration 0.5 - 1.5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Pennsylvania (worker and community right to know act): The following components are cited in the Pennsylvania Hazardous Substances List, and are present at levels that require reporting.

Ethylene Glycol	107-21-1	< 2%
	<u>^</u>	

California Prop. 65: 🗥 WARNING: This product can expose you to chemicals

including Crystalline Silica (respirable powder), and ethylene glycol, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <u>www.P65Warnings.ca.gov</u>.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health : 2 * Flammability : 1 Physical hazards : 0

(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health:2Flammability:1Instability:0

United States Page: 12/13

Product code 20 oz. Sausage: TS 00419. 2 gal: TS-00425. 5 gal TS-00437

Section 16. Other information

Organization that prepared the MSDS	: EHS
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IBC = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
	UPC Codes 20 fl. oz. 843034004190 2 gal pail 843034004251

843034004374

Indicates information that has changed from previously issued version.

5 gal pail

Disclaimer

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