

# BUTYL TAPE (Gray or Black)

## SAFETY DATA SHEET (SDS)

ISSUE DATE: 10/10/2023

*Meets the Requirements of OSHA Standard 29 CFR 1910.1200 Hazard Communication and EPA Supplier Notification Requirements under Section 313 of the Emergency Planning and Community Right-to-Know Act.*

### SECTION 1 – IDENTIFICATION

<b>PRODUCT NAME:</b>	Butyl Tape (Gray or Black)	<b>RECOMMENDED USE:</b>	Sealant
<b>PRODUCT CODE:</b>	· EX208 · 430.EX208-BULK	<b>AREA OF APPLICATION:</b>	Industrial
		<b>PRODUCT DESCRIPTION:</b>	Butyl Sealant Tape
		<b>EMERGENCY</b>	CHEMTREC (24/7):
		<b>TELEPHONE NO.:</b>	+1-800-424-9300

### SECTION 2 – HAZARD IDENTIFICATION

<b>OSHA / HCS Status:</b>	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<b>Hazard Classifications:</b>	H317 – SKIN SENSITIZATION - Category 1 H350 – CARCINOGENICITY - Category 1A H372 – SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
<b>Hazard Statements:</b>	H317 – May cause an allergic skin reaction. H350 – May cause cancer. H372 – Causes damage to organs through prolonged or repeated exposure (lungs).

**GHS Symbols:**



**Signal Word:** Danger

**Precautionary Statements:**

- Prevention:** P201 – Obtain special instructions before use.  
P202 – Do not handle until all safety precaution have been read and understood.  
P260 – Do not breathe dust.  
P264 – Wash thoroughly after handling with soap and warm water.  
P270 – Do not eat, drink, or smoke when using this product.  
P272 – Contaminated work clothing must not be allowed out of the workplace.  
P280 – Wear protective gloves, protective clothing, and eye / face protection.
- Response:** P302 + P352 – If on skin, wash with plenty of soap and warm water.  
P308 + P313 – If exposed or concerned, get medical attention or advice.  
P333 + P313 – If skin irritation occurs, get medical attention or advice.  
P363 – Wash contaminated clothing before reuse.
- Storage:** P405 – Store locked up.
- Disposal:** P501 – Dispose of contents and container in accordance with all local, regional, national, and international regulations.

**Hazards Not Otherwise Classified:** None known.

**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance / Mixture:** Mixture

Hazardous Component:	CAS No:	%
Limestone	1317-65-3	50 – 75
Process Oil	9003-27-4	10 – 20
Process Oil	64742-62-7	5 – 15
Silica	112926-00-8	< 10
Talc	14807-96-6	< 10
Kaolin	1332-58-7	< 10
Pigment	13463-67-7	< 5
Zinc Bis(dibutyldithiocarbamate)	136-23-2	< 1

Any concentrations 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 and hence require reporting in this section.*

**SECTION 4 – FIRST AID MEASURES****Description of Necessary First Aid Measures:**

**After inhalation:** GET MEDICAL ATTENTION IMMEDIATELY.

Move victim to fresh air and keep at rest in a position comfortable for breathing.

If not breathing, if respiratory arrest occurs, or if there is no pulse, PERFORM CHEST COMPRESSIONS IMMEDIATELY. It may be dangerous to give rescue breaths (mouth to mouth), but CONTINUE TO PERFORM CHEST COMPRESSIONS without rescue breaths. DO NOT STOP CHEST COMPRESSIONS until emergency medical personnel arrive and say to do so.

If breathing, oxygen can be provided to the victim by trained personnel.

Maintain an open airway. Loosen tight clothing like collars, ties, belts, or waistbands.

**After skin contact:** Wash with plenty of soap and warm water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly before removing, or remove while wearing gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**After eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove contact lenses if safe to do so. Continue to rinse for at least 10 minutes. Get medical attention.

**After ingestion:** GET MEDICAL ATTENTION IMMEDIATELY.

Move victim to fresh air and keep at rest in a position comfortable for breathing.

If unconscious, lay victim on their side to prevent aspiration of vomit into lungs. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

If not breathing, if respiratory arrest occurs, or if there is no pulse, lay person flat and PERFORM CHEST COMPRESSIONS IMMEDIATELY. It may be dangerous to give rescue breaths (mouth to mouth), but CONTINUE TO PERFORM CHEST COMPRESSIONS without rescue breaths. DO NOT STOP CHEST COMPRESSIONS until emergency medical personnel arrive and say to do so.

If conscious, keep victim sitting up or laying on their side. Wash out mouth with water. Remove dentures or other such devices if possible and safe to do so. If the victim is conscious, give small quantities of water to drink; STOP IF THE VICTIM BECOMES NAUSEOUS, AS VOMITTING CAN BE DANGEROUS. DO NOT INDUCE VOMITTING. If vomiting does occur, keep the head low to prevent aspiration of vomit into lungs.

Maintain an open airway. Loosen tight clothing such as collars, ties, belts, or waistbands.

**Most important symptoms and effects, acute and delayed:*****Potential Acute******Health Effects:***

**Eye Contact:** No known significant effects or critical hazards.

**Inhalation:** No known significant effects or critical hazards.

**Skin Contact:** May cause an allergic skin reaction.

**Ingestion:** No known significant effects or critical hazards.

***Over-exposure******Signs / Symptoms:***

**Eye Contact:** No specific data.

**Inhalation:** No specific data.

**Skin Contact:** Adverse symptoms may include irritation and / or redness.

**Ingestion:** No specific data.

**Indication of immediate medical attention and special treatment needed, if necessary:**

**Notes to Physician:** Treat symptomatically. Contact Poison Control or treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific Treatments:** No specific treatment.

**Protection for 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, respirator, or self-contained breathing apparatus (SCBA). It may be dangerous to provide rescue breaths (mouth to mouth), but CHEST COMPRESSIONS CAN BE PERFORMED WITHOUT RESCUE BREATHS. Wash contaminated clothing thoroughly with water before removing, or remove while wearing gloves.

**SECTION 5 – FIRE-FIGHTING MEASURES****Suitable extinguishing media:**

Use dry chemical, foam, or carbon dioxide (CO<sub>2</sub>).  
DO NOT USE WATER.

**Special hazards arising from the substance or mixture:**

No specific fire or explosion hazard.  
Not considered to be a product presenting a risk of explosion.

**Hazardous thermal decomposition products:**

May include: carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), and / or metal oxides.

**Special protective actions for Firefighters:**

If there is a fire, promptly isolate the scene by removing all persons from the vicinity of the incident. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for Firefighters:**

Firefighters should wear appropriate protective equipment and SCBA with full face piece and operated in positive pressure mode.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective 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 uninvolved and / or unprotected personnel from entering the area. Do not touch or walk through the spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (PPE).

**For emergency responders:** Wear appropriate PPE, including chemical resistant gloves, eye / face protection, appropriate footwear, and appropriate clothing protection. Wear respirator or SCBA if the spill is not in a well-ventilated area.

**Environmental precautions:** Avoid dispersal of spilled material or runoff into soil, waterways, drains, sewers, etc. Inform the relevant authorities if the product or runoff has entered such areas (soil, waterways, drains, sewers, etc) or caused other pollution (like air pollution).

### Methods and materials for containment and clean-up:

**Small spill:** Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via licensed waste disposal contractor.

**Large spill:** Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a license waste disposal contractor.

### **Protective Action Criteria for Chemicals:**

<b>PAC-1:</b>		
112926-00-8	Silica	18 mg/m <sup>3</sup>
13463-67-7	Pigment	30 mg/m <sup>3</sup>
<b>PAC-2:</b>		
112926-00-8	Silica	200 mg/m <sup>3</sup>
13463-67-7	Pigment	330 mg/m <sup>3</sup>
<b>PAC-3:</b>		
112926-00-8	Silica	1200 mg/m <sup>3</sup>
13463-67-7	Pigment	2000 mg/m <sup>3</sup>

## SECTION 7 – HANDLING AND STORAGE

### Precautions for safe handling:

**Protective measures:** Put on appropriate PPE. Persons with a history of skin sensitization problems should not be involved in any process in which the product is used. Avoid exposure – obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get into eyes, on skin, or on clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation, or wear appropriate respirator. Keep product in the original container or in an approved alternative made from compatible materials, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse containers.

**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 their hands and face before eating, drinking, smoking, or using the restroom. Remove contaminated clothing and protective equipment before entering eating areas.

**Conditions for safe storage, including any incompatibilities:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, well-ventilated area away from incompatible materials, food, and drink. Store locked up. 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

<b>1317-65-3 Limestone</b>	
<i>OSHA PEL (8-HR TWA)</i>	Total Dust = 15 mg/m <sup>3</sup> Respirable Fraction = 5 mg/m <sup>3</sup>
<i>NIOSH REL (10-HR TWA)</i>	Total Dust = 10 mg/m <sup>3</sup> Respirable Fraction = 5 mg/m <sup>3</sup>
<i>ACGIH TLV (8-HR TWA)</i>	Inhalable Particulates = 10 mg/m <sup>3</sup> Respirable Particles = 10 mg/m <sup>3</sup>
<i>OSHA-Ca PEL (8-HR TWA)</i>	Total Dust = 10 mg/m <sup>3</sup> Respirable Fraction = 5 mg/m <sup>3</sup>
<b>112926-00-8 Silica</b>	
<i>OSHA PEL (8-HR TWA)</i>	50 ug/ m <sup>3</sup> [25 ug/ m <sup>3</sup> Action Level]
<i>NIOSH REL (10-HR TWA)</i>	0.05 mg/m <sup>3</sup>
<i>ACGIH TLV (8-HR TWA)</i>	Respirable Particulate Matter = 0.025 mg/m <sup>3</sup> [2009]
<i>OSHA-Ca PEL (8-HR TWA)</i>	0.05 mg/m <sup>3</sup>

<b>14807-96-6 Talc</b>	
<i>OSHA PEL (8-HR TWA)</i>	20 mppcf
<i>NIOSH REL (10-HR TWA)</i>	Respirable = 2 mg/m <sup>3</sup>
<i>ACGIH TLV (8-HR TWA)</i>	Respirable Particulate Matter = 2 mg/m <sup>3</sup> (containing no asbestos and < 1% crystalline silica)
<i>OSHA-Ca PEL (8-HR TWA)</i>	Respirable Dust = 2 mg/m <sup>3</sup>
<b>1332-58-7 Kaolin</b>	
<i>OSHA PEL (8-HR TWA)</i>	Total Dust = 15 mg/m <sup>3</sup> Respirable Fraction = 5 mg/m <sup>3</sup>
<i>NIOSH REL (10-HR TWA)</i>	Total Dust = 10 mg/m <sup>3</sup> Respirable = 5 mg/m <sup>3</sup>
<i>ACGIH TLV (8-HR TWA)</i>	Respirable Particulate Matter = 2 mg/m <sup>3</sup> (containing no asbestos and < 1% crystalline silica)
<i>OSHA-Ca PEL (8-HR TWA)</i>	Respirable Dust = 2 mg/m <sup>3</sup> (containing no asbestos and < 1% crystalline silica)
<b>13463-67-7 Pigment</b>	
<i>OSHA PEL (8-HR TWA)</i>	Total Dust = 15 mg/m <sup>3</sup>
<i>NIOSH REL (10-HR TWA)</i>	n/a
<i>ACGIH TLV (8-HR TWA)</i>	Respirable Particulate Matter: Nanoscale Particles = 0.2 mg/m <sup>3</sup> Finescale Particles = 2.5 mg/m <sup>3</sup>
<i>OSHA-Ca PEL (8-HR TWA)</i>	Total Dust = 10 mg/m <sup>3</sup> Respirable Fraction = 5 mg/m <sup>3</sup>

**Appropriate Engineering Controls:**

If user operations generate dust, fumes, gas, vapor, or mist, use process enclosures, local exhaust ventilation, or other 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:**

**Hygiene measures:** Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the restroom, and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye / Face protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates that it is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, the following protection should be worn: safety glasses with side shields.

**Skin Protection:**

**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.

**Body protection:** PPE 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 the 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 the product.

**Respiratory Protection:** Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Gray or black solid.	<b>Vapor Pressure:</b>	Not available.
<b>Odor:</b>	Neutral.	<b>Vapor Density:</b>	Not available.
<b>Odor Threshold:</b>	Not available.	<b>Evaporation Rate:</b>	Not applicable.
<b>pH:</b>	Not applicable.	<b>Flow Time (ISO 2431):</b>	Not available.
<b>Melting Point:</b>	Not available.	<b>Relative Density:</b>	1.57 (water = 1)
<b>Boiling Point:</b>	Not available.	<b>Density:</b>	1.54 – 1.59 g/mL
<b>Flash Point:</b>	Not available.	<b>Solubility(ies):</b>	Insoluble in water (cold and hot).
<b>Autoignition Temperature:</b>	Not available.	<b>Partition Coefficient (n-octanol/water):</b>	Not applicable.
<b>Viscosity:</b>	Not available.	<b>SADT:</b>	Not available.
<b>Flammability (solid, gas):</b>	Not available.	<b>Decomposition Temperature:</b>	Not available.



## SECTION 10 – STABILITY AND REACTIVITY

<b>Reactivity:</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical Stability:</b>	Stable.
<b>Possibility of hazardous reactions:</b>	Under normal conditions of storage and use, hazardous reactions and hazardous polymerization will not occur.
<b>Conditions to avoid:</b>	No specific data.
<b>Incompatible materials:</b>	Hydrocarbons, petroleum distillates.
<b>Hazardous decomposition products:</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Acute Toxicity:

Component	CAS No.	Oral LD50	Dermal LD50	Ocular LD50	Inhalation LC50
Limestone	1317-65-3	6450 mg/kg (rat)	500 mg / 24 H Moderate *	750 ug / 24 H Severe *	Not available.
Process Oil	9003-27-4	> 5000 mg/kg (rat)	> 3000 mg/kg (rabbit)	Not available.	> 17.3 mg/L (rat, 4 hr exposure)
Silica	112926-00-8	> 5000 mg/kg (rat)	> 5000 mg/kg (rabbit)	Not available.	Not available.
Kaolin	1332-58-7	> 5000 mg/kg (rat)	> 5000 mg/kg (rat)	Not available.	Not available.
Pigment	13463-67-7	> 5000 mg/kg (rat)	> 10000 mg/kg (rabbit)	Not available.	> 6.82 mg/L (rabbit)
Zinc Bis(dibutyl dithiocarbamate)	136-23-2	> 5000 mg/kg (female rat)	> 2000 mg/kg (male rabbit)	Not available.	Not available.

\* Draize Test, Rabbit.

NTP (National Toxicology Program)			
112926-00-8 Silica: Short-Term Toxicity			
13 weeks (inhalation) (C84001A)	Rats: F344/N	Dose: 0, 2, 10, or 20 mg/m <sup>3</sup>	
26 weeks (inhalation) (C84001B)	Rats: F344/N	Dose: 0, 2, 10, or 20 mg/m <sup>3</sup>	
26 weeks (inhalation) (C84001C)	Rats: F344/N	Dose: 0, 2, 10, or 20 mg/m <sup>3</sup>	
14807-96-6 Talc: Short-Term Toxicity			
14 days (inhalation) (C06008)	Rats: F344/N	Mice: B6C3F1	
14807-96-6 Talc: Long-Term Toxicity			
2 years (inhalation) (C06008)	Rats: F344/N Mice: B6C3F1	Dose: R&M: 0, 6, and 18 mg/m <sup>3</sup> talc in atmosphere.	No evidence for mice. Some evidence for male rats; clear evidence for female rats.

13463-67-7 Pigment: Short-Term Toxicity			
14 days (dosed-feed) (C04240)		Rats: F344/N	Mice: B6C3F1
13 weeks (dosed-feed) (C04240)	Rats: F344/N	Mice: B6C3F1	Dose: 0, 6250, 100000 PPM / 10 per group
13463-67-7 Pigment: Long-Term Toxicity			
2 years (dosed-feed) (C04240)	Rats: F344/N	Mice: B6C3F1	Dose: 0, 25000, 50000 PPM / 50 per group.
	Negative for male & female rats and male & female mice.		
13463-67-7 Pigment: Genetic Toxicity			
Chromosome Aberrations (860815)		Mice = Negative.	
Drosophila (211708)		Reciprocal translocation / sex-linked recessive lethal = Negative.	
In Vitro Cytogenetics (CA/SCE) (766516)		Sister chromatid exchange = Negative.	Chromosome aberrations = Negative.
Micronucleus (563272)		Mice: B6C3F1	Male = Positive.
Mouse Lymphoma (006080)		Mice = Negative.	
Salmonella (004554)		Negative	
Salmonella (CV-22)		Completed	
Sister Chromatid Exchanges (860815)		Mice sister chromatid = Negative (nonstandard protocol).	

**Specific Target Organ Toxicity:**

Name	Category	Route of Exposure	Type of Exposure	Target Organs
Limestone	1	Inhalation	Repeated	Lungs
Silica	1	Inhalation	Repeated	Lungs
Talc	1	Inhalation	Repeated	Lungs
Zinc Bis(dibutyldithiocarbamate)	3	Inhalation	Single	Lungs

**Carcinogenicity Categories:**

<b>EPA (Environmental Protection Agency):</b> None of the ingredients listed.			
<b>TLV (Threshold Limit Value established by ACGIH):</b>			
112926-00-8	Silica		A2
14807-96-6	Talc		A4
1332-58-7	Kaolin		A4
13463-67-7	Pigment		A3
<b>MAK (German Maximum Workplace Concentration)</b>			
9003-27-4	Process Oil		---
112926-00-8	Silica		1
14807-96-6	Talc		3B
1332-58-7	Kaolin		3B
13463-67-7	Pigment		0.3 mg/m <sup>3</sup>

<b>IARC (International Agency for Research on Cancer):</b>		
14807-96-6	Talc	3
13463-67-7	Pigment	2B
<b>NIOSH-Ca (National Institute for Occupational Safety and Health):</b>		
112926-00-8	Silica	
13463-67-7	Pigment	

**Information on the likely routes of exposure:** Route of entry anticipated: oral, dermal, inhalation.

**Potential acute health effects:**

**Eye Contact:** No known significant effects or critical hazards.

**Inhalation:** No known significant effects or critical hazards.

**Skin Contact:** May cause an allergic skin reaction.

**Ingestion:** No known significant effects or critical hazards.

**Symptoms related to the physical, chemical, and toxicological characteristics:**

**Eye Contact:** No specific data.

**Inhalation:** No specific data.

**Skin Contact:** Adverse symptoms may include irritation and / or redness.

**Ingestion:** No specific data.

**Delayed and immediate effects and also chronic effects from short- and long-term exposure:**

***Short Term Exposure***

***Potential Effects:***

**Immediate:** Not available.

**Delayed:** Not available.

***Long Term Exposure***

***Potential Effects:***

**Immediate:** Not available.

**Delayed:** Not available.

***Potential Chronic***

***Effects:***

**General:** Causes damage to organs through prolonged and repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity:** May cause cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity:** No known significant effects or critical hazards.

**Reproductive Toxicity:** No known significant effects or critical hazards.

<b>Sensitization:</b>	Not available.
<b>Mutagenicity – Conclusion / Summary:</b>	Not available.
<b>Reproductive – Conclusion / Summary:</b>	Not available.
<b>Teratogenicity – Conclusion / Summary:</b>	Not available.
<b>Carcinogenicity – Conclusion / Summary:</b>	Not available.

## SECTION 12 – ECOLOGICAL INFORMATION

### Toxicity:

Component & CAS No.	Result	Species	Exposure	Test
Process Oil 9003-27-4	Toxicity to Fish LC50: > 5600 mg/L	Oncorhynchus mykiss (rainbow trout)	96 hours	---
Process Oil 64742-62-7	1. Toxicity to Fish LL50: > 100 mg/L 2. Toxicity to Daphnia and Other Aquatic Invertebrates EL50: > 10000 mg/L 3. Toxicity to Algae NOEL: ≥ 100 mg/L 4. CHRONIC Toxicity to Fish NOELR: ≥ 1000 mg/L 5. CHRONIC Toxicity to Daphnia and Other Aquatic Invertebrates NOEL: 10 mg/L	1. Pimephales promelas (fathead minnow) 2. Daphnia magna (water flea) 3. Pseudokirchneriella subcapitata (green algae) 4. Oncorhynchus mykiss (rainbow trout) 5. Daphnia magna (water flea)	1. 96 hours 2. 48 hours 3. 72 hours 4. 14 days 5. 21 days	1. Static Test – Substance WAF – OECD 203. Remarks: No toxicity at the limit of solubility. 2. Static Test – Substance WAF, OECD 202. 3. Static Test – Substance WAF – OECD 201 – Endpoint: Growth Inhibition. 4. Calculated. 5. Substance WAF – OECD 211
Pigment 13463-67-7	1. Toxicity to Fish LC50: > 1000 mg/L 2. Toxicity to Daphnia and Other Aquatic Invertebrates EC50: > 1000 mg/L	1. Pimephales promelas (fathead minnow) 2. Daphnia magna (water flea)	1. 96 hours 2. 48 hours	1. --- 2. ---
Zinc Bis(dibutyl dithiocarbamate) 136-23-2	1. Toxicity to Fish LC50: > 16 mg/L 2. Toxicity to Daphnia and Other Aquatic Invertebrates EC50: 0.74 mg/L 3. Toxicity to Algae ErC50: 1.1 mg/L 4. Toxicity to Bacteria EC50: 1428 mg/L 5. Toxicity to Fish (Chronic Toxicity) NOEC: 10 mg/L 6. Toxicity to Daphnia and Other Aquatic Invertebrates (Chronic Toxicity) NOEC: 0.0003 mg/L	1. Poecillia reticulata (guppy) 2. Daphnia magna (water flea) 3. Chlorella pyrenoidosa 4. Activated Sludge 5. Danio rerio (zebra fish) 6. Daphnia magna (water flea)	1. 96 hours 2. 48 hours 3. 96 hours 4. 3 hours 5. 10 days 6. 21 days	1. Semi-Static Test – OECD 203. 2. Static Test – US-EPA 3. Static Test – OECD 201. 4. Static Test – OECD 209. 5. Semi-Static Test – OECD 210. 6. Semi-Static Test. Remarks: ECHA.

<b>Bioaccumulative potential:</b>	Not available.
<b>Mobility in soil:</b>	Soil / Water Partition Coefficient (K <sub>oc</sub> ): Not Available.
<b>Other adverse effects:</b>	No known significant effects of critical hazards.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Disposal Methods:**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions, and / or 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 where possible. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe manner. 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 into soil, waterways, drains, and sewers.

## SECTION 14 – TRANSPORT INFORMATION

	DOT Classification	IMDG	IATA
UN Number	Not Regulated.	Not Regulated.	Not Regulated.
UN Proper Shipping Name	---	---	---
Transport Hazard Class(es)	---	---	---
Packing Group	---	---	---
Environmental Hazards	No.	No.	No.

**Additional Information:**

**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.

**Transport in Bulk According to IMO Instruments:** Not available.

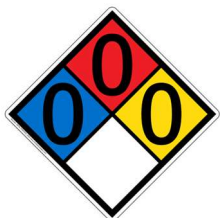
## SECTION 15 – REGULATORY INFORMATION

<b>SARA:</b>	
<i>Section 355 (extremely hazardous substances):</i>	None of the ingredients listed.
<i>Section 313 (specific toxic chemical listings):</i>	None of the ingredients listed.
<i>TSCA (Toxic Substances Control Act):</i>	All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

<b>Proposition 65:</b>			
<i>Chemicals known to cause cancer:</i>		112926-00-8 Silica (airborne particulates of respirable size)	
<i>Chemicals known to cause reproductive toxicity for females:</i>		None of the ingredients listed.	
<i>Chemicals known to cause reproductive toxicity for males:</i>		None of the ingredients listed.	
<i>Chemicals known to cause developmental toxicity:</i>		None of the ingredients listed.	
<b>DSL (Canada Domestic Substance List):</b>		All components of this product are on the DSL or are exempt from DSL requirements.	
<b>New Jersey Right-to-Know List:</b>			
1317-65-3		Limestone	
112926-00-8		Silica	
14807-96-6		Talc	
1332-58-7		Kaolin	
13463-67-7		Pigment	
<b>New Jersey Special Hazardous Substance List:</b> None of the ingredients listed.			
<b>Pennsylvania Right-to-Know List:</b> None of the ingredients listed.			
<b>Pennsylvania Special Hazardous Substance List:</b> None of the ingredients listed.			
<b>CARCINOGENITY CATEGORIES</b>			
<b>EPA (Environmental Protection Agency):</b> None of the ingredients listed.			
<b>TLV (Threshold Limit Value established by ACGIH):</b>			
112926-00-8		Silica	A2
14807-96-6		Talc	A4
1332-58-7		Kaolin	A4
13463-67-7		Pigment	A3
<b>MAK (German Maximum Workplace Concentration)</b>			
9003-27-4		Process Oil	---
112926-00-8		Silica	1
14807-96-6		Talc	3B
1332-58-7		Kaolin	3B
13463-67-7		Pigment	0.3 mg/m³
<b>IARC (International Agency for Research on Cancer):</b>			
14807-96-6		Talc	3
13463-67-7		Pigment	2B
<b>NIOSH-Ca (National Institute for Occupational Safety and Health):</b>			
112926-00-8		Silica	
13463-67-7		Pigment	

## SECTION 16 – OTHER INFORMATION

NFPA:



HMIS:

Health	* 3
Flammability	0
Physical Hazards	0

Acronym / Abbreviation	Meaning	Acronym / Abbreviation	Meaning
ACGIH	American Conference of Governmental Industrial Hygienists	NFPA	National Fire Protection Association
BEL	Biological Exposure Limit	NIOSH	National Institute for Occupational Safety and Health
CAS	Chemical Abstracts Service	NTP	National Toxicology Program
CERCLA	Comprehensive Responsible Compensation and Liability Act	OSHA	Occupational Safety and Health Administration
CFR	Code of Federal Regulations	PBT	Persistent, Bioaccumulative, and Toxic
DOT	Department of Transportation	PEL	Permissible Exposure Level
EINECS	European Inventory of Existing Commercial Chemical Substances	RCRA	Resource Conservation and Recovery Act of 1976
ELINCS	European List of Notified Chemical Substances	REL	Recommended Exposure Limit
GHS	Globally Harmonized System	SARA	Superfund Amendments and Reauthorization Act
HMIS	Hazardous Materials Identification System	SDS	Safety Data Sheet
IARC	International Agency for Research on Cancer	REL	Recommended Exposure Limit
IATA	International Air Transport Association	SARA	Superfund Amendments and Reauthorization Act
IBC	Intermediate Bulk Container	SDS	Safety Data Sheet
IMDG	International Maritime Dangerous Goods	STOT	Specific Target Organ Toxicity
LC50	Lethal Concentration, 50%	TLV	Threshold Limit Value
LD50	Lethal Dose, 50%	TSCA	Toxic Substance Control Act of 1976
MARPOL	International Convention for the Prevention of Pollution from Ships (Maritime Pollution)	UN	United Nations
MSHA	Mine Safety and Health Administration	vPvB	very Persistent and very Bioaccumulative

**Prepared By:**

Inseal

**Date:**

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*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 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.*