Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name: Duralay Liquid
Company Identification:
Reliance Dental Mfg., LLC.
5805 W. 117th Place
Alsip, IL 60803

For Product Information, call: 708-597-6694 **For Medical Information, call:** 800-535-5053

Section 2 - Hazards Identification

Classification of the substance or mixture

Hazard Class – Physical, Health, environmental	**Category**
Flammable Liquid	2
Skin Corrosion/Irritation	2
Skin sensitizer	1
Specific Target Organ Toxicity - Single Exposure	3

Label Elements - *Pictograms, Signal Word, Hazard Statements, Precautionary Statements, & Supplemental Information*

Signal Word: Danger

Hazard Statements

H225 Highly flammable liquid and vapor

H315 Causes skin irritation
H317 May cause an allergic skin reaction
H335 May cause respiratory irritation

Precautionary Statements – Prevention, Response, Disposal

P210 Keep away from heat/sparks/open flames/hot surfaces -No Smoking
P233 Keep container tightly closed
P240 Ground and bond container and receiving equipment
P241 Use explosion-proof electrical/ventilating/light/…/equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P264 Wash hands and exposed skin thoroughly after handling
P271 Use only outdoors or in a well-ventilated area
P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves/protective clothing/eye protection/face protection
P312 Call a POISON CENTER or doctor/physician if you feel unwell
P321 Specific treatment (see….on this label)
P362 Take off contaminated clothing and wash before reuse
P363 Wash contaminated clothing before reuse
P302+P352 IF ON SKIN-Wash with soap and water
P303+P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P332+P313 If skin irritation occurs: Get medical advice/attention
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P370+P378 In case of fire: Use CO2 for extinction
P405 Store locked up
P403+P233 Store in a well ventilated place. Keep container tightly closed
P403+P235 Store in a well ventilated place. Keep cool
P501 Dispose of contents/container to an authorized disposal facility

Section 3 - Composition, Information on Ingredients

Hazardous Components	Case No.	Percent	GHS Ratings	
Methyl Methacrylate	80-62-6	90-100	Skin Corrosion/Irritation(H315)	2
			Skin Sensitizer(H317)	1
			Specific Target Organ Toxicity-Single Exposure(H335)	3
			Aquatic Toxicity(H402)	A3

*Component names may have been omitted to protect confidential business information (CBI) in compliance with OSHA GHS HCS§ 1910.1200 Appendix E.

Section 4 - First Aid Measures

General Advice: Provide the SDS to medical personnel for treatment

Inhalation: Remove victim to fresh air. Seek immediate medical attention.

Eye Contact: If product gets in the eyes, flush with lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.

Skin Contact: Rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.

Clothing: Remove contaminated clothing, wash thoroughly before reuse.

Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Provide an estimate of the time at which the materials was ingested and the amount of the substance that was swallowed. Get medical attention immediately.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media: Chemical (alcohol-resistant) foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media: Water spray or water stream may not be effective.
Specific Hazards Arising from the Chemical: High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may cause spontaneous polymerizing reaction generating heat/pressure. Closed containers may rupture or explode during a runaway polymerization. This product is a flammable liquid. Vapors of this product are heavier than air and may travel to a source of ignition and flash back to a leaking or open container. Vapor forms an explosive mixture with air.

Hazardous Combustion Products: Acrid smoke-fumes/carbon monoxide/carbon dioxide and perhaps other toxic vapors may be released during a fire involving this product.

Special Fire Fighting Procedures: Use a water spray or fog to reduce or direct vapors, and keep containers cool. Water may not be effective in actually extinguishing a fire involving this product. Do not enter fire area without proper protection. Fight fire from a safe location. Structural firefighters must wear SCBA and full protective equipment. Heat/impurities may cause pressure to build and/or rupture closed containers, spreading fire, increasing risk of burns/injuries.

Protective Equipment and Precautions for Firefighters: Wear self-contained breathing apparatus for firefighting if necessary. Do not enter fire area without proper protection. Fight fire from a safe distance/protected location. Heat/impurities may increase temperature/build pressure/rupture closed containers, spreading fire, increasing risk of burns/injuries. Use water spray to cool unopened containers. Pressure relief system may plug with solids creating risk of overpressure.

Section 6 - Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Before cleaning any spill or leak, individuals must wear appropriate Personal protective Equipment that is specified is section 8. Deny entry to all unprotected individuals. Remove any contaminated clothing and wash thoroughly before reuse.

Environmental Precautions: Extinguish all ignition sources. Keep spills and cleaning runsoffs out of municipal sewers and open bodies of water. May contaminate water supplies/be harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 434-8802.

Methods and Material for Containment and Cleaning UP

Methods for Containment: Prevent further leakage or spillage if safe to do so. Dike and contain spill with inert material (e.g. sand or earth). May contaminate water supply.

Methods for Cleaning Up: Maximize ventilation (open doors and windows) and secure all sources of ignition. Use good, local ventilation with a minimum capture velocity of 100 ft/min (30 m/min) at point of product release. Place into appropriate closed container(s) for disposal in accordance with local, state and federal regulations. Wash all affected areas with plenty of warm water and soap. Clean up materials maybe a RCRA hazardous waste, a hazardous waste determination should be done by qualified personnel.

Section 7 - Handling and Storage

Precautions for safe Handling

Advice on Safe Handling: Keep away from heat, sparks, and flame. Keep container closed after each use. Do NOT use localized heat source such as band heaters to heat/melt product. Do NOT use steam. Hot boxes or hot rooms are recommended for heating the product, which can be set at a maximum temperature of 60**°**C/140°F. Avoid contact with skin, eyes and clothing. Use good personal hygiene and housekeeping. After use, wash hands and exposed skin with soap and water. Do not eat, drink, or smoke while handling product. Observe precautions found on lavel. Ground and bond all containers when transferring. Refer to Section 8 for suggested exposure controls and personal protection. Observe precautions found on label.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Store container in a cool, dry location, away from direct sunlight, heat, sparks, flame, other light sources, or sources of intense heat. Store in accordance with National Fire Protection Association recommendations. Check inhibitor levels periodically, adding to the bulk material if needed. Do not blanket or mix with oxygen-free gas as it renders the inhibitor ineffective. Vapors are uninhibited and may form polymers in vents or flame arresters, resulting in blockage of vents. Product residue may remain in empty containers. Observe all label precautions until the container is cleaned, reconditioned, or destroyed.

Incompatible Materials: Strong oxidizers, strong reducers, free radical initiators, inert gases, oxygen scavengers.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
METHYL METHACRYLATE	50 ppm TWA; 100 ppm STEL	100 ppm TWA; 410 mg/m3 TWA 1000 ppm IDLH	100 ppm TWA; 410 mg/m3 TWA

Engineering Controls: Use local explosion-proof ventilation that is adequate to keep employee exposure to airborne concentrations below exposure limits. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personnel Protective Equipment (PPE)

Respiratory Protection: A respirator should be worn whenever workplace conditins warrant a respirators use. None required if airborne concentrations are maintained below the exposure limit listed above. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR§1910.134 or other appropriate govening standard.

Eye/Face Protection: Wear safety glasses, chemical goggles when splashing is possible, when dealing with this materials. If necessary, refer to U.S. Osha 29 CFR§1910.133, or other appropriate governing standard. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

Skin and Body Protection Complete suit protecting agains chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full Contact:
Material: Nitrile rubber
Minimum layer thickness: 0.4 mm
Break through time: 480 min

Splash Contact:
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 120 min

General Hygiene Condsiderations: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. An eyewash station and a safety shower are recommended. Food, beverages, and tobacco products should not be carried, stored or consumed where this material is in use. Wash hands thoroughly before eating, drinking, or smoking.

Section 9 - Physical and Chemical Properties

Appearance:	Clear	**Physical State:**	Liquid
Odor:	Characteristic	**Flash Point:**	54°F, 12°C
Flammable limit (air Volume% : Lower/Upper)	N/A	**Autoignition Temperature:**	421°C
		Boiling Range (low-high):	101°C
Evaporation Rate:	No data available		
Specific Gravity:	0.94		

Section 10 - Stability and Reactivity

Note: Materials listed as stable may become unstable upon depletion of inhibitors (such as mequinol or hydroquinone), contact the manufacturer for exact levels and instruction on inhibitor maintenance.

Material stability: Stable

Incompatible Materials: Strong oxidizers, strong reducers, free radical initiators, inert gases, oxygen scavengers. Material has strong solvent properties and can soften paint and rubber.

Hazardous Decomposition Products: Oxides of Carbon

Possibility of Hazardous Reactions: Hazardous polymerization may occur.

Section 11 - Toxicological Information

Mixture Toxicity
Inhalation Toxicity: 4,632 mg/L

Component Toxicity
Routes of Exposure: No data available

Target Organs: Eyes, Skin and Respiratory System

Effects of Overexposure

Product Conponents Listed as Carcinogenic

CAS Number	Description	% Weight	Carcinogen Rating
None			No data available

Section 12 - Ecological Information

Component Ecotoxicity

Methyl Methacrylate	96 Hr LC50 Pimephales promelas: 243 - 275 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 125.5 - 190.7 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 170 - 206 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 153.9 - 341.8 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: >79 mg/L [flowthrough]; 96 Hr LC50 Oncorhynchus mykiss: >79 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 326.4 - 426.9 mg/L [static] 48 Hr EC50 Daphnia magna: 69 mg/L 96 Hr EC50 Pseudokirchneriella subcapitata: 170 mg/L

Section 13 - Disposal Considerations

Waste Treatment Methods
Disposal of Wastes
When discarded it is a hazardous waste by the EPA under RCRA. The reportable quantity (RQ) for Ethyl Methacrylate is 1000 pounds (40 CFR Part 302). After addition of excess inhibitor, dispose waste material in accordance with Federal, State, and Local regulations. It is the responsibility of the generator to determine at the time of disposal whether the product meets the criteria of a hazardous waste. Comply with all applicable federal, state and local regulations. Waste disposal options include landfilling solids at permitted sites. Incinerate in a chemical incinerator equipped with an afterburner and scrubber. Use registered transporters.

Contaminated Packaging
Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards, due to residual flammable material, associated with empty containers. Dispose of all empty containers properly, in accordance with Federal, State and Local regulations

Section 14 - Transport Information

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT	METHYL METHACRYLATE MONOMER, STABILIZED RQ: 1000lbs	UN1247	II	3
IATA	METHYL METHACRYLATE MONOMER, STABILIZED	UN1247	II	3
IMDG	METHYL METHACRYLATE MONOMER, STABILIZED	UN1247	II	3

Section 15 - Regulatory Information

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin: None

SARA 313: Methyl Methacrylate 80-62-6

US State Right-to-Know Regulations: None

Country	Regulation	All Components Listed
	EINECS	Yes
	SARA Hazard categories	Yes
	TSCA Inventory	Yes

Section 16 - Additional Information

Hazardous Material Information System (HMIS) Rating		National Fire Protection Association (NFPA) HMIS & NFPA Hazard Rating	
HEALTH	2	HEALTH	2
FLAMMABILITY	3	FLAMMABILITY	3
PHYSICAL HAZARD	2	INSTABILITY	2
PERSONAL PROTECTION	B		

HMIS & NFPA Hazard Rating
*= Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH
B = Gloves and Safety Glasses or Chemical Goggles.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Reliance Dental Mfg. Co. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if user has been advised of the possibility of such damages.

Revised January 6, 2022

Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name: Duralay Temporary C & B Powder-Shades

Company Identification:

Reliance Dental Mfg., LLC.
5805 W. 117th Place
Alsip, IL 60803

For Product Information, call: 708-597-6694 **For Medical Information, call:** 800-535-5053

Section 2 - Hazards Identification

Classification of the substance or mixture

Hazard Class – Physical, Health, Environmental	**Category**
Eye Damage/Irritation	2A
Skin sensitizer	1
Repoductive Toxicity	2
Aquatic Toxicity	A3

OSHA Defined Hazards: Combustible dust, may form combustible dust concentrations in air, explosion hazard

Label elements –Pictograms, Signal Word, Hazard Statements, Precautionary Statements & Supplemental Information

Signal Word Warning

Hazards Statements

H317 May cause an allergic skin reaction
H320 Causes eye irritation
H361 Suspected of damaging fertility of the unborn child
H402 Harmful to aquatic life

Precautionary Statements-Prevention, Response & Disposal

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P240 Ground and bond container and receiving equipment
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P264 Wash hands and exposed skin thoroughly after handling

P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves/protective clothing/eye protection/face protection
P281 Use personal protective equipment as required
P321 Specific treatment (see…on this label)
P363 Wash contaminated clothing before reuse
P302+P352 IF ON SKIN: Wash with soap and water
P305+P351 IF IN EYES: Rinse continuously with water for several +P338 minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313 IF exposed or concerned: Get medical advice/attention
P333+P313 If skin irritation or a rash occurs: Get medical advice/ treatment
P337+P313 Get medical advice/attention
P405 Store locked up
P501 Dispose of contents/container to an authorized disposal facility

Section 3 - Composition, Information on Ingredients

Item	Chemical Name	CAS #	WT/WT%	GHS Ratings
01	Polymethyl Methacrylate	9011-14-7	80 - 90	Eye damage/Irritation 2B(H320)
02	Diethyl Phthalate	84-66-2	10 – 20	Eye damage/Irritation 2B(H320) Reproductive Toxicity 2 (H361) Aquatic Toxicity A3 (H402)
03	Benzoyl Peroxide	94-36-0	1 – 5	Eye damage/Irritation 2A(H319) Skin Sensitizer 1 (H317)
04	Titanium Dioxide (CI 77891)	13463-67-7	0 – 1	

Section 4 - First Aid Measures

General advice Provide the SDS to medical personnel for treatment.

Inhalation: Remove victim to fresh air. Seek immediate medical attention.

Eye Contact: If product gets in the eyes, flush with lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.

Skin Contact: Rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.

Clothing: Remove contaminated clothing, wash thoroughly before reuse.

Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Get medical attention immediately.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media: Water, Chemical (alcohol-resistant) foam, dry chemical, or carbon dioxide.

Unsuitable Extinguishing Media: Water may not be effective in extinguishing this fire.

Specific Hazards Arising from the Chemical: Polymers are combustible dusts, care should be taken to avoid creating explosive concentrations in the air. Follow grounding and bonding procedures.

Special Fire Fighting Procedures: Avoid extinguishing methods, which may generate dust clouds. Water stream can disperse dust into air producing a fire hazard and possible explosion hazard if exposed to ignition source. Firefighters should wear self-contained breathing apparatus.

Protective Equipment and Precautions for Firefighters: Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Polymers are sensitive to static discharge, follow grounding and bounding procedures. Polymers are not sensitive to mechanical impacts.

Section 6 - Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Before cleaning any spill or leak, individuals must wear appropriate Personal Protective Equipment that is specified in section 8. Keep airborne particulates at a minimum when cleaning up spills. Deny entry to all unprotected individuals. Remove any contaminated clothing and wash thoroughly before reuse.

Evironmental Precautions Extinguish all ignition sources. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. US regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800)424-8802.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so. Dike and contain spill with inert material (e.g. sand or earth). May contaminate water supply.

Methods for Cleaning Up Maximize ventilation (open doors and windows) and secure all sources of ignition. Use good, local ventilation with a minimum capture velocity of 100 ft/min (30 m/min) at point of product release. Place into appropriate closed container(s) for disposal in accordance with local, state and federal regulations. Wash all affected areas with plenty of warm water and soap. Not a RCRA Hazardous waste.

Section 7 - Handling and Storage

PRECAUTIONS FOR HANDLING

Advice on Safe handling: Use in well ventilated areas. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use good personal hygiene and housekeeping. Avoid prolonged contact with the product. Use in a well-ventilated location (e.g., local exhause ventilation, fans). After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

Conditions for Sate Storage, Including any Incompatibilities

Storage conditions: Store containers in a cool, dry location, away from direct sunlight, heat, sparks, flame, other light sources, or sources of intense heat. The temperature should remain at or under 72°F (22°C) at all times. Storing above recommended temperature will cause product performance issues. Store in accordance with National Fire Protection Association recommendations. Observe all label precautions until the container is cleaned, reconditioned or destroyed.

Incompatible Materials: Strong oxidizers, strong oxidizing agents

Section 8 - Exposure Controls, Personal Protection

Chemical name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Polymethyl Methacrylate 9011-14-7			
Diethyl Phthalate 84-66-2		5 mg/m3 TWA	NIOSH: 5 mg/m3 TWA
Benzoyl Peroxide 94-36-0	5 mg/m3 TWA	5 mg/m3 TWA	NIOSH: 5 mg/m3 TWA
Titaniuim Dioxide (CI77891 13463-67-7	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	

Engineering Controls	Use local explosion-proof ventilation that is adequate to keep employee exposure to airborne concentrations below exposure limits. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.
Personnel Protective Equipment (PPE)	
Respiratory Protection	A respirator should be worn whenever workplace conditions warrant use of a respirator. If dust conditions are present, a N95 respirator dust mask is required. None required if airborne concentrations are maintained below any exposure limit that may be listed above. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134 or other appropriate governing standard.
Eye/Face Protection	Wear safety glasses, chemical goggles when splashing is possible, when dealing with this materials. If necessary, refer to 29 CFR §1910.133, or other appropriate governing standard. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.
Skin and Body Protection	Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Full Contact: Material: Nitrile rubber Minimum Layer thickness: 0.4 mm Break through time: 480 min.	**Splash Contact:** Material: Nitrile rubber Minimum Layer thickness: 0.11 mm Break through time: 120 min.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. An eyewash station and a safety shower are recommended. Food, beverages, and tobacco products should not be carried, stored or consumed where this material is in use. Wash hands thoroughly before eating, drinking, or smoking.

Section 9 - Physical and Chemical Properties

APPEARANCE:	Fine white powder.
ODOR:	Faint odor in bulk.
FLASH POINT:	577°F, 303°C
FLAMMABLE LIMIT (AIR VOLUME %)	0%
EVAPORATION RATE	No data available.
BOILING RANGE (LOW-HIGH)	295°C
SPECIFIC GRAVITY:	0.00

Section 10 - Stability and Reactivity

MATERIAL STABILITY	Stable
INCOMPATIBILITY (MATERIALS TO AVOID):	Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Methacrylate Monomer and Oxides of Carbon when burned.
POSSIBILITY OF HAZARDOUS REACTI0NS	Hazardous polymerization will not occur.

Section 11 - Toxicological Information

MIXTURE TOXICITY
Component Toxicity
Routes of Exposure: Inhalation, Eye Contact, and Ingestion

Target Organs: Eyes, Lungs, Central Nervous System, Reproductive System, Skin, Peripheral Nervous System, and Respiratory System

Effects of Overexposure:
Inhalation: Overexposure by inhalation of titanium dioxide may include mild and temporary upper respiratory irritation with cough and shortness of breath.
Skin Contact: No data found.
Eye Contact: No data found.
Ingestion: No data found.

Product Components Listed as Carcinogenic

CAS Number	Description	%Weight	Carcinogen Rating
13463-67-7	Titanium Dioxide (CI 77891)	0.1 TO 1.0 %	Titanium Dioxide (CI 77891): NIOSH- potential occupational carcinogen IARC- Possible human carcinogen OSHA - Listed

Section 12 - Ecological Information

Component Ecotoxicity
Diethyl Phlthalate: 96Hr LC50 Pimphales promelas: 17 mg/L (flow-through): 96 Hr LC50 Pimephales promelas: 16.8 mg/L (static): 96 Hr LC50 Lepomis macrochinus: 22 mg/L (flow-through): 96 Hr LC50 Lepomis macrochirus: 16.7 mg/L (static): 96 Hr LC50 Oncorhynchus mykiss: 12 mg/L (flow-through)
48 Hr EC50 Daphnia magna: 36-74 mg/L; 48 Hr EC50 Daphnia magna: 86 mg/L (static) 72 Hr EC50 Desmodesmus subspicatus: 23 mg/L; 72 Hr EC50 Desmodesmus subspicatus; 23 mg/L)static); 96 Hr EC50 Desmordesmus subspicatus: 21 mg/L; 96 Hr EC50 Desmodesmus subspicatus: 21 mg/L (static); 72 Hr EC50 Pseudokirchneriella subcapitate: 42 – 255 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitate: 2.11-4.29 mg/L (static)

Section 13 - Disposal Considerations

WASTE DISPOSAL METHOD
Disposal of Wastes: Dispose of properly in accordance with Federal, State, and Local regulations. It is the responsibility of the generator to determine at the time of disposal whether the product meets the criteria of a hazardous waste. Comply with all applicable federal, state and local regulations. Waste disposal options include landfilling solids at permitted sites. Incinerate in a chemical incinerator equipped with an afterburner and scrubber. Use registered transporters.

Contaminated Packaging: Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards, due to residual flammable material, associated with empty containers. Dispose of all empty containers properly, in accordance with Federal, State and Local regulations.

Section 14 - Transport Information

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT	Not Regulated, Polymer, NOS			
IATA	Not Regulated, Polymer, NOS			
IMDG	Not Regulated, Polymer, NOS			

Section 15 - Regulatory Information

State of California Safe drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of Califonia as carcinogenic or a reproductive toxin: 13463-67-7 Titanium Dioxide (CI 77891) 0.1 to 1.0% Carcinogen

SARA 313 Benzoyl Peroxide 94-36-0

US State Right-to-know Regulations
-None

Country	Regulations	All Components Listed
	EINECS	Yes
	SARA Hazard categories	No
	TSCA Inventory	Yes

Section 16 - Additional Information

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:

HEALTH:	1
FLAMMABILITY:	1
REACTIVITY:	0
PERSONAL PROTECTIVE EQUIPMENT:	B

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:

HEALTH:	1
FLAMMABILITY:	1
REACTIVITY:	0

HMIS & NFPA Hazard Rating
*= Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH
B = Gloves and Safety Glasses or Chemical Goggles.

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, process, storage, transportation, disposal and release and is not considered a warranty or quality specification. This information relates only to the specific material designated and may not be valid for such materials used in combination with any other materials on in any process, unless specified in the text.

Revised January 6, 2022