

DENTSPLY Milford

Safety Data Sheet

578617

1. Product and Company Identification

Product Name Aquasil®	SDS Code Number 578617
Substance Identity Aquasil, Aquasil Ultra, Aquasil Ultra Xtra, Smart Wetting® Impression Material, Aquasil Ultra Cordless Tissue Managing Impression Material, Aquasil Ultimate - Tissue Managing Impression Material, Aquasil Ultra + Smart Wetting Impression Material	Date of Last Revision 05/09/16
Manufacturer: DENTSPLY Milford	Address 38 West Clarke Avenue Milford DE 19963-1805 http://www.dentsply.com
Grades or Minor Variant Identities AQUASIL MONOPHASE, AQUASIL RIGID, AQUASIL LV, AQUASIL Easy Mix PUTTY - Smart Wetting® Impression Material, AQUASIL ULTRA MONOPHASE, AQUASIL ULTRA RIGID, AQUASIL ULTRA XLV, AQUASIL ULTRA LV, AQUASIL ULTRA HEAVY – Smart Wetting® Impression Material, Super Fast Set, Fast Setting and Regular Setting – Including AQUASIL ULTRA DECA™ Smart Wetting® Impression Material for Dynamic Mixing Machines and digit® Targeted Delivery Systems. AQUASIL ULTRA Xtra – Wash, Tray and DECA Tray. Aquasil Ultra Cordless Tissue Managing Wash Impression Material and Aquasil Ultra Cordless Tissue Managing Tray Impression Material, Aquasil Ultimate Cordless Tissue Managing Wash Impression Material, Aquasil Ultra Cordless Tissue Managing Tray Impression Material, Aquasil Ultra + Smart Wetting Impression Material Fast and Regular Setting - all viscosities.	Information Telephone Number: (302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)
Product Use (for Canada) Dental Impression Material	Emergency Telephone Number: (302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)

2. Hazard(s) Identification



WARNING
CAUSES SKIN IRRITATION

WASH HANDS THOROUGHLY AFTER HANDLING

WEAR PROTECTIVE GLOVES

IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.

IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE / ATTENTION

TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE

3. Composition/Information on Ingredients

Hazardous Components	C.A.S. Number	Exposure Limits	%
Silicon Dioxide -Crystalline	14464-46-1	0.05 mg/m ³	< than 30
Silicon Dioxide - Amorphous	68855-54-9	1.20 mg/m ³	< than 30
Hydrophobic Amorphous Fumed Silica	68909-20-6	10 mg/m ³	< than 10
Titanium Dioxide	13463-67-7	10 mg/m ³	< than 10

Colorant Information: The base pastes may contain fluorescent organic dyes and/or ultramarine pigments and/or inorganic iron oxides. The base pastes may also contain a red pigment known as a Red 2B Toner or a Calcium salt of a beta oxynaphthoate. The Chemical structure of all Ultramarine pigments, regardless of color, is Sodium Aluminosulfosilicate.

Odorant Information: This product contains Peppermint oil which may cause irritation to skin or mucosa or other allergic responses in susceptible persons.

4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Rinse opened eye for several minutes under running water. If symptoms persist consult physician	Not Applicable	Not Applicable
Skin	Immediately wash with soap and water and rinse thoroughly	Not Applicable	Not Applicable
Inhalation	Supply fresh air, consult physician if symptoms persist	Not Applicable	Not Applicable
Ingestion	If symptoms persist consult physician	Not Applicable	Low order of toxicity is expected when large

			amounts of material are ingested. Acute toxicology study in rats LD ₅₀ >2,000mg/kg.
Other	Not Applicable	Not Applicable	Not Applicable
Note to Physicians (Treating, Testing and Monitoring): Treat symptomatically.			

5. Fire Fighting Measures

Flame Propagation or Burning Rate (for Solids): Not Applicable	Properties Contributing to Fire Intensity: Not Applicable	Flammability Classification: Not Applicable	Other: Not Applicable
Extinguishing Media: CO ₂ , extinguishing powder, foam carbon dioxide or water spray. Fight larger fires with water spray or alcohol resistant foam.		Extinguishing Media to Avoid: Water with full jet.	
Protection and Procedures for Firefighters: Firefighters should wear self-contained respiratory protective devices.			
Unusual Fire and Explosion Hazards: No dangerous decomposition products known. - Product does not present an explosion hazard.			

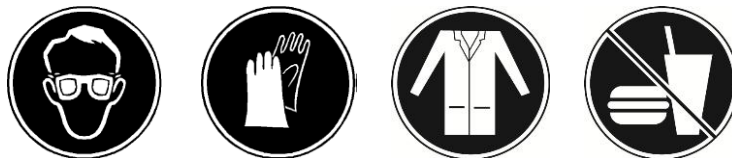
6. Accidental Release Measures

Containment Techniques: Material is a paste and as such will not flow.		
Spill/Leak Clean-up Procedures and Equipment: Wear protective clothing and scoop up bulk material and place in a labeled plastic or metal container. Avoid gross skin contact to minimize the possibility of contact dermatitis to susceptible persons. Ensure adequate ventilation.		
Evacuation Procedures: Not Applicable	Special Instructions: Not Applicable	Reporting Requirements: Not Applicable

7. Handling and Storage

Handling Practices and Warnings: Product is intended for dental use only. Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals.
Storage Practices and Warnings: Store only in the original package. Keep package tightly sealed. Store in a dry area. Protect from exposure to direct light. Store away from food and beverages.

8. Exposure Control / Personal Protection



Individual Protection Measures	Personal Protective Equipment for Normal Use	Personal Protective Equipment for Emergencies
Eye/Face	Safety Glasses	Not Applicable
Skin	The glove material has to be impermeable and resistant to the product.	Not Applicable
Inhalation	Not Required	Not Applicable
Body Protection	Protective work clothing	Not Applicable
Occupational Exposure Limits: Not Applicable		Engineering Controls: Not Applicable

9. Physical and Chemical Characteristics

Appearance: Various colored pastes, may be high viscosity paste or runny. Catalyst is white to grey-colored.		Odor: Peppermint odor.
Normal Physical State: Material is available in several viscosities. It varies from a very high viscosity liquid (Paste) to a more runny material.		Melting Point: Not Applicable
Specific Gravity: Varies from 1.1 g/cm ³ to 1.5 g/cm ³	Solubility in Water: Not soluble	pH: Not Applicable
Vapor Pressure (mm Hg): Not Applicable	Vapor Density (AIR=1): Not Applicable	Evaporation Rate (Butyl Acetate =1): N A
Flashpoint Method: Not Applicable	Flammable (Explosive) Limits in Air LEL: Not Applicable UEL: Not Applicable	Autoignition Temperature: Not Applicable, Product will not autoignite.
Other: Not Applicable		

10. Stability and Reactivity Data

Incompatibility (Materials to Avoid): Strong oxidizing materials.		
Hazardous Products Produced During Decomposition: No dangerous decomposition products known if used according to Directions for Use.		
Hazardous Polymerization: <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur	Conditions to Avoid: None known	
Stability? <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid: None known	

11. Toxicological Information

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data: Product may irritate the skin and mucous membranes. The unpolymerized product may cause irritation to the skin in susceptible persons. On the eye the product has an irritating effect. Sensitization: No sensitizing effects known.					
Emergency Overview: Material may be mildly irritating to eyes.					
Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	Material can cause irritation.	Single	Moderate	Irritation and possible corneal damage	Not Applicable
Skin	Material may be an irritant	Single & Repeated	Moderate	Irritation or possible allergic response.	Not Applicable
Inhalation	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Ingestion	Material is probably not harmful if swallowed	Not Applicable	Mild	Low order of toxicity is expected when large amounts of material are ingested. Acute toxicology study in rats LD ₅₀	Not Applicable

				>2,000mg/kg.	
Other	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Medical Conditions Aggravated by Exposure Open sores and wounds of the skin.					
Carcinogenicity	NTP?: Not listed	IARC monographs?: Not listed	OSHA regulated?: No All components of this product are in compliance with the inventory listing Requirements of the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.		
Potential Environmental Effects Do not allow to enter sewers/ surface or ground water.					
NFPA Hazard Classification Ratings (Scale 0-4), Health = 0, Fire = 1, Reactivity = 0					

12. Ecological Information

Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements: Water Hazard class1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water streams or sewage system.

13. Disposal Considerations

Regulations: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Dispose of material as solid waste in a closed container. Dispose of in accordance with Federal, State and Local regulations
Properties (Physical/Chemical) Affecting Disposal: Dispose of material as solid waste in a closed container.

14. Transport Information

Regulated for Shipping: No. Not Regulated	DOT Shipping Name: Not Regulated	Packing Group: Not Applicable
Do Changes in Quantities, packaging, or shipment method change product classification? No	DOT Hazard Class: Not Applicable	UN Number: Not Applicable

15. Regulatory Information

This product has been classified in accordance with the hazard criteria of the Globally Harmonized System of Classification and Labeling of Chemicals and the SDS contains all of the information required by the Canadian Controlled Products Regulations.
U.S. Federal Regulations: CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations
Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None
Section 302 Extremely Hazardous Substances (TPQ): None
EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.
U.S. State Regulations California Proposition 65: This product does not contain any chemicals, which are on the California Proposition 65 list.
International Regulations: Canadian Environmental Protection Act: This product is a medical device and not subject to chemical notification requirements.
European Community Labeling: Not a dangerous preparation.
European Inventory of New and Existing Chemicals Substances (EINECS): This product is a medical device and not subject to chemical notification requirements.
Other: Not Applicable

16. Other Information

To the best of our knowledge this product does not contain gluten, wheat grains, flaxseed, natural rubber, or natural latex. All components are synthetically produced; none are derived from animal products. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific products features and shall not establish a legally valid contractual relationship. The attached safety data sheet covers the dangers and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer. For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product is given in the DFU.
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DENTSPLY/International
DENTSPLY/Caulk
Safety Data Sheet

526155

1. Identification

Product Name Caulk[®] Tray Adhesive	SDS Code Number 526155
Trade Name & Synonyms Caulk[®] Tray Adhesive	Date of Last Revision 02/21/14
Manufacturer: DENTSPLY Caulk	Address 38 West Clarke Avenue Milford DE 19963-1805 http://www.caulk.com http://www.dentsply.com
Grades or Minor Variant Identities Not Applicable	Information Telephone Number (302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)
Product Use (for Canada) Not Applicable	Emergency Telephone Number (302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)

2. Hazard(s) Identification



Danger

Highly Flammable Liquid and Vapor



WARNING

MAY CAUSE AN ALLERGIC SKIN REACTION

Keep away from heat/sparks/open flames / hot surfaces. No smoking.
 Keep container tightly closed.
 Use only non-sparking tools.
 Take precautionary measures against static discharge.
 In case of fire: Use dry chemical, alcohol foam, or carbon dioxide for extinction.
 Store in a well ventilated place. Keep Cool.
 Avoid breathing vapors.
 Contaminated work clothing should not be allowed out of the workplace.
 Wash thoroughly after handling.
 Wear protective gloves.
 IF ON SKIN: Wash with plenty of soap and water.
 If skin irritation or rash occurs: get medical attention.
 Wash contaminated clothing before reuse.
 Dispose of contents in accordance with local regulations.

3. Composition/Information on Ingredients

Hazardous Components	C.A.S. Number	Exposure Limits	%
Ethyl Acetate	141-78-6	400 ppm	< 60

4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Immediately flush with water for 15 minutes. Get medical attention.	Not Applicable	Not Applicable
Skin	Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.	Not Applicable	Not Applicable
Inhalation	Remove to fresh air. Get medical attention if effects persist. This may not be of concern when using clinically relevant quantities.	Not Applicable	Not Applicable
Ingestion	Get medical attention. Do not induce vomiting. This may not be of concern when using clinically relevant quantities.	Not Applicable	Not Applicable
Other	Not Applicable	Not Applicable	Not Applicable

Note to Physicians (Treating, Testing and Monitoring): Treat symptomatically.

5. Fire Fighting Measures

Flashpoint Method: -5°C (23°F) Pensky-Marten Closed Cup	Flammable (Explosive) Limits in Air LEL: 2.5 vol. % UEL: not determined	Autoignition Temperature: not determined	Other: Not Applicable
Flame Propagation or Burning Rate (for Solids): Not Applicable	Properties Contributing to Fire Intensity: Not Applicable	Flammability Classification: 3	

Extinguishing Media: CO ₂ , extinguishing powder or water spray. Fight larger fires with dry chemical, foam, or water spray.	Extinguishing Media to Avoid: Water with full jet
Protection and Procedures for Firefighters: Firefighters should wear self-contained respiratory protective devices.	
Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel to a source of ignition and flash back. Static electricity will accumulate and may ignite vapors.	
Hazardous Decomposition Products: Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products. Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.	

6. Accidental Release Measures

Containment Techniques: Wear protective clothing and absorb spill with inert material (e.g. vermiculite, sand, earth), then place material in suitable labeled plastic or metal container.		
Spill/Leak Clean-up Procedures and Equipment: Wear protective clothing and absorb spill with inert material (e.g. vermiculite, sand, earth), then place material in suitable labeled plastic or metal container. Avoid gross skin contact to minimize the possibility of contact dermatitis to susceptible persons. Ensure adequate ventilation.		
Evacuation Procedures: Not Applicable	Special Instructions: Not Applicable	Reporting Requirements: Not Applicable

7. Handling and Storage

Handling Practices and Warnings: Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals.
Storage Practices and Warnings: Store only in the original package. Keep package tightly sealed. Protect from exposure to direct light. Store away from food and beverages.

8. Exposure Control / Personal Protection



Ventilation: None required during normal intended use of this product		
Engineering Controls: Not Applicable		
Individual Protection Measures	Personal Protective Equipment for Normal Use	Personal Protective Equipment for Emergencies
Eye/Face	Safety Glasses	Not Applicable
Skin	The glove material has to be impermeable and resistant to the product.	Not Applicable
Inhalation	Not required when using clinically relevant quantities used in Dental office.	Not Applicable
Body Protection	Protective work clothing	Not Applicable

9. Physical and Chemical Characteristics

Appearance: Viscous purple liquid with characteristic odor	Odor: Sweet solvent odor of ethyl acetate	
Normal Physical State: Liquid	Melting Point: Not Determined	Boiling Point: 63°C (145°F)
Specific Gravity: 1.02 @ 25 °C	Solubility in Water: Not determined	pH: Not Applicable due to anhydrous organic solvent.
Vapor Pressure (mm Hg): 94 @ 25 °C	Vapor Density (AIR=1): 3.04	Evaporation Rate (Butyl Acetate =1): 9
Other: Not Applicable		

10. Stability and Reactivity Data

Incompatibility (Materials to Avoid): Oxidizing material can cause a reaction.		
Hazardous Products Produced During Decomposition: Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products. Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.		
Hazardous Polymerization: <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur	Conditions to Avoid: High Temperatures, ignition sources.	
Stability? <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid: High Temperatures, ignition sources.	

11. Toxicological Information

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data: Product may be a mild irritant to the skin and mucous membranes in susceptible persons. On the eye the product has an irritating effect.					
Emergency Overview: Material is irritating to eyes, respiratory system and skin. Breathing vapors may cause drowsiness and dizziness.					
Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	Material can cause irritation.	Single	Moderate	Irritation and possible corneal damage	Yes
Skin	Material may be an irritant and may be absorbed through the skin.	Single & Repeated	Moderate	Irritation or possible allergic response. Severe allergic response may result in breathing difficulties.	Yes
Inhalation	Inhalation of high concentrations may cause central nervous system effects	Repeated	Moderate	Chronic inhalation may cause effects similar to those of acute inhalation.	Yes

	characterized by nausea, headache, dizziness, unconsciousness and coma. This may not be of concern when using clinically relevant quantities.			Causes respiratory tract irritation. May cause motor in coordination and speech abnormalities.	
Ingestion	May cause irritation of the digestive tract. This may not be of concern when using clinically relevant quantities.	Single & Repeated	Mild	Not Applicable	No
Other Central nervous system	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Medical Conditions Aggravated by Exposure Open sores and wounds of the skin. Individuals with known sensitivity to methacrylates, acrylates, or urethane dimethacrylate resin used in Dental restorative products.					
Carcinogenicity NTP?: Not listed IARC monographs?: Not listed OSHA regulated?: No. All components of this product are in compliance with the inventory listing Requirements of the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.					
Potential Environmental Effects Do not allow to enter sewers/ surface or ground water.					
NFPA Hazard Classification Ratings (Scale 0-4) Health =2, Fire =3, Reactivity=0 Specific Hazard = None					

12. Ecological Information

Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements: Water Hazard class1 (Self-assessment): Not determined.

13. Disposal Considerations

Regulations: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose of material as solid waste in a closed container. Dispose of in accordance with Federal, State and Local regulations
Properties (Physical/Chemical) Affecting Disposal: Dispose of material as solid waste in a closed container.
RCRA P-Series: None Listed, RCRA U-Series CAS#67-64-1: Waste Number U002 (Ignitable Waste)

14. Transport Information



Flammable Liquid

Regulated for Shipping: Yes	Proper Shipping Name: Ethyl Acetate Solution	Packing Group: II
Do Changes in Quantities, packaging, or shipment method change product classification? No	Hazard Class: 3	UN Identification Number: 1173

15. Regulatory Information

This product has been classified in accordance with the hazard criteria of the Globally Harmonized System of Classification and Labeling of Chemicals and the SDS contains all of the information required by the Canadian Controlled Products Regulations.
Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.
Federal Regulations: All chemical substances in this material are included on or exempted from listing on the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory. Hazard Symbol:
U.S. Federal Regulations: CERCLA 103 Reportable Quantity: CAS# 141-78-6: RQ is 5000 lb. final RQ: 2268 kg final RQ.
Report spills required under federal, state and local regulations
SARA Code: CAS# 141-78-6 Ethyl Acetate: fire.
Section 312 Hazard Class: Acute: Yes, Chronic: Yes, Fire: Yes, Pressure: No, Reactive: No
Section 313 Toxic Chemicals: None This product does not contain any chemicals subject to Annual Release Reporting Requirements as per Section 313 of SARA Title III and 40 CFR Part 373.
Section 302 Extremely Hazardous Substances (TPQ): None
OSHA: OSHA does not consider CAS# 141-78-6 Ethyl Acetate highly hazardous.
RCRA P-Series: None Listed
RCRA U-Series Hazardous Waste Code for CAS# 141-78-6 Ethyl Acetate: U112
EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.
State CAS# 141-78-6 Ethyl Acetate can be found on the following state right to know lists: New Jersey, Pennsylvania, and Massachusetts.
CAS# 68440-70-0 is on the following state right to know lists: New Jersey, and Pennsylvania.
U.S. State Regulations California Proposition 65: This product does not contain any chemicals, which are on the California Proposition 65 list.
WGK (Water Danger/Protection) CAS# 141-78-6 Ethyl Acetate
Canada – DSL/NDSL CAS# 141-78-6 Ethyl Acetate is listed on Canada's DSL List.
Canada – WHMIS This product has a WHMIS Classification of B2.
Canadian Ingredient Disclosure List: CAS# 141-78-6 Ethyl Acetate, is listed on the Canadian Ingredient Disclosure List.
International Regulations: Canadian Environmental Protection Act:
This product is a medical device and not subject to chemical notification requirements.
European Community Labeling: in accordance with EC Directives: International Regulations: Hazard Symbol: Flammable XI F Risk Phrases: R11 Highly Flammable, R36 Irritating to Eyes, R66 Repeated exposure may cause dryness or cracking, R67 Vapors may cause drowsiness and dizziness. Safety Phrases: S9 Keep container in a well –ventilated place, S16 Keep away from sources of ignition – No Smoking, S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, S33 Take precautionary measures against static discharge.
European Inventory of New and Existing Chemicals Substances (EINECS): 205-500-4 Ethyl Acetate
Other: Not Applicable

16.Other Information

To the best of our knowledge this product does not contain gluten, wheat grains, flaxseed, natural rubber, or natural latex.

All components are synthetically produced; none are derived from animal products.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific products features and shall not establish a legally valid contractual relationship.

The attached safety data sheet covers the dangers and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer. For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product is given in the DFU.