SECTION 1. IDENTIFICATION

GHS PRODUCT IDENTIFIER: Alchemco Clean & Repair PolySeal Sealant

OTHER MEANS OF IDENTIFICATION: ACR PolySeal Sealant

PRODUCT CODE: ACR-PS001
ACR-PS003

PRODUCT TYPE: Caulk, Sealant

IDENTIFIED USES: Caulk, Sealant

SUPPLIER / MANUFACTURER: Alchemco, A division of MBC North America, Inc
3532 Mayland Court, Henrico, VA 23233
800-610-2895

EMERGENCY TELEPHONE NUMBER WITH HOURS OF OPERATION 800-610-2895 24 hours

SECTION 2. HAZARDS IDENTIFICATION

OSHA/MCS STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:
SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 1A
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 1
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (bladder, kidneys, liver, respiratory tract) - Category 1

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS:

SIGNAL WORD: DANGER

HAZARD STATEMENTS:
H319 - Causes serious eye irritation.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H350 - May cause cancer.
H370 - Causes damage to organs.
H372 - Causes damage to organs through prolonged or repeated exposure. (bladder, kidneys, liver, respiratory tract)

PRECAUTIONARY STATEMENTS

PREVENTION:
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.
P260 - Do not breathe dust.
P270 - Do not eat, drink or smoke when using this product.
P264 - Wash hands thoroughly after handling.
P272 (OSHA) - Contaminated work clothing must not be allowed out of workplace.

RESPONSE:	P314 - Get medical attention if you feel unwell. P307 + P311 - IF exposed: Call a POISON CENTER or physician. P302 + P352 + P363 - IF ON SKIN: Wash with plenty of soap and water. Washcontaminated clothing before reuse. P333 + P313 - If skin irritation or rash occurs: Get medical attention. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
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 (NHOC):	NA

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE: Mixture

OTHER MEANS OF IDENTIFICATION: Hybrid polymer elastomeric sealant/adhesive

INGREDIENT	%	CAS #
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	≥25 - ≤50	68515-49-1
Titanium dioxide	≥10 - ≤25	13463-67-7
Stearic acid	≥10 - ≤25	57-11-4
Trimethoxyvinylsilane	≥1 - ≤3	2768-02-7
Methanol	≥1 - ≤3	67-56-1
N-(3-(trimethoxysilyl)propyl)ethylenediamine	≥1 - <3	1760-24-3
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	≥1 - ≤3	25973-55-1
Crystalline silica	≥1 - ≤3	14808-60-7

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

DESCRIPTION OF NECESSARY FIRST AID MEASURES

EYE CONTACT:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention. If necessary, call a poison center or physician.
INHALATION:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SKIN CONTACT:	Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. If necessary, call a poison center or physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
INGESTION:	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

MOST IMPORTANT SYMPTOMS. EFFECTS, ACUTE AND DELAYED POTENTIAL ACUTE HEALTH EFFECTS

EYE CONTACT:	Causes serious eye irritation.
INHALATION:	Causes damage to organs following a single exposure if inhaled.
SKIN CONTACT:	Causes damage to organs following a single exposure in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
INGESTION:	Causes damage to organs following a single exposure if swallowed.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

CHRONIC:	Persons with pre-existing skin disorders or respiratory impairment may be more susceptible to the effects of this product. Titanium Dioxide is a suspected animal carcinogen. Crystalline silica (as respirable dust) is a known carcinogen. Refer to Section 11.

OVER-EXPOSURE SIGNS/SYMPTOMS

EYE CONTACT:	Adverse symptoms may include the following: pain or irritation watering redness
INHALATION:	No known significant effects or critical hazards.
SKIN CONTACT:	Adverse symptoms may include the following: irritation redness
INGESTION:	No known significant effects or critical hazards.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

NOTES PHYSICIAN:	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
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.

SECTION 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA:	Use an extinguishing agent suitable for the surrounding fire.
UNSUITABLE EXTINGUISHING MEDIA:	None known.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	No specific fire or explosion hazard.
HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides 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.

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 unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
FOR EMERGENCY RESPONDERS:	If specialized 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 nonemergency 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 CONTAINMENT AND CLEAN UP

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 licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

PROTECTIVE MEASURES:	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this 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 in eyes or on skin or clothing. 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.

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. See also Section 8 for additional information on hygiene measures. 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 and well-ventilated area, away from incompatible materials (see Section 10) and 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. See Section 10 for incompatible materials before handling or use.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT NAME	EXPOSURE LIMITS
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	None.
Titanium Dioxide	**ACGIH TLV (United States, 3/2018).** TWA: 10 mg/m³ 8 hours. **OSHA PEL (United States, 5/2018).** TWA: 15 mg/m³ 8 hours. Form: Total dust
Stearic acid	**ACGIH TLV (United States, 3/2018).** TWA: 10 mg/m³ 8 hours. Form: Inhalable fraction TWA: 3 mg/m³ 8 hours. Form: Respirable fraction
Trimethoxyvinylsilane	None.
Methanol	**ACGIH TLV (United States, 3/2018). Absorbed through skin.** TWA: 200 ppm 8 hours. TWA: 262 mg/m³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 328 mg/m³ 15 minutes. **NIOSH REL (United States, 10/2016). Absorbed through skin.** TWA: 200 ppm 10 hours. TWA: 260 mg/m³ 10 hours. STEL: 250 ppm 15 minutes. STEL: 325 mg/m³ 15 minutes. **OSHA PEL (United States, 5/2018).** TWA: 200 ppm 8 hours. TWA: 260 mg/m³ 8 hours.
N-(3-(trimethoxysilyl)propyl)ethylenediamine	None.
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	None.
Crystalline silica	**OSHA PEL Z3 (United States, 6/2016).** TWA: 250 mppcf / (%SiO2+5) 8 hours. Form: Respirable TWA: 10 mg/m³ / (%SiO2+2) 8 hours. Form: Respirable **NIOSH REL (United States, 10/2016).** TWA: 0.05 mg/m³ 10 hours. Form: Respirable dust **OSHA PEL (United States, 5/2018).** TWA: 50 µg/m³ 8 hours. Form: Respirable dust

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.

INDIVIDUAL PROTECTION MEASURES

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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
EYE/FACE/RESPIRATORY PROTECTION:	EYE PROTECTION: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. 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 PROTECTIN: 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. 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. 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

APPEARANCE	Opaque Paste, color may vary
PHYSICAL STATE:	Low Viscosity Paste
ODOR:	Slight
ODOR THRESHOLD:	NA
PH:	NA
MELTING POINT:	NA
BOILING POINT:	482ºF (250ºC)
FLASH POINT:	F: >392 C: >200 Method used: Closed Cup (ISO 2592)
EVAPORATION RATE:	<1 (Butyl acetate = 1)
FLAMMABILITY (SOLID,GAS):	NA

LOWER AND UPPER EXPLOSIVE:	NA
VAPOR PRESSURE:	<0.11 kPa (<0.8 mm Hg) [room temperature]
VAPOR DENSITY:	>1 [Air=1]
RELATIVE DENSITY:	~1.66 g/cm^3 (13.8527 lbs/gal)
SOLUBILITY:	not miscible or difficult to mix
PARTITION COEFFICIENT N-OCTANOL/WATER:	NA
AUTO-IGNITION TEMPERATURE:	>745 ºF (>395ºC)
DECOMPOSITION TEMPERATURE:	NA
VISCOSITY:	NA
VOLATILE ORGANIC COMPOUNDS (VOC) BY VOLUME:	18 g/l

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY:	No specific data available.
CHEMICAL STABILITY:	Stable at room temperature.
POSSIBILITY OF HAZARDOUS REACTIONS:	Under normal conditions of storage and use, hazardous reactions will not occur.
CONDITIONS TO AVOID:	Avoid heat, flames and sparks. Avoid contact with incompatible materials.
INCOMPATIBLE MATERIALS:	Strong acids, strong oxidizing materials.
HAZARDOUS DECOMPOSITION PRODUCTS:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	LD50 Dermal LD50 Oral	Rabbit Rat	16000 mg/kg >60000 mg/kg	— —
Stearic acid	LD50 Dermal LD50 Oral	Rabbit Rat	>5 g/kg 4600 mg/kg	— —
Methanol	LC50 Inhalation Gas. LC50 Inhalation Gas. LD50 Dermal LD50 Oral	Rat Rat Rabbit Rat	145000 ppm 64000 ppm 15800 mg/kg 5600 mg/kg	1 hours 4 hours — —
N-(3-(trimethoxysilyl)propyl) ethylenediamine	LD50 Oral	Rat	2413 mg/kg	—

IRRITATION/CORROSION

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	Eyes - Mild irritant	Rabbit	—	0.1 ml	—
Stearic acid	Skin - Moderate irritant	Rabbit	—	24 hours 500 mg	—
Trimethoxyvinylsilane	Eyes - Mild irritant Skin - Mild irritant	Rabbit Rabbit	—	24 hours 500 mg 24 hours 500 mg	— —
N-(3-(trimethoxysilyl)propyl) ethylenediamine	Eyes - Severe irritant Skin - Mild irritant	Rabbit	—	15 mg 500 mg	— —

SENSITIZATION: There is no data available.

MUTAGENICITY: There is no data available.

CARCINOGENICITY

CLASSIFICATION

PRODUCT/INGREDIENT NAME	OSHA	IARC	NTP
Titanium dioxide	—	2B	—
Crystalline silica	—	1	Known to be a human carcinogen

REPRODUCTIVE TOXICIY: There is no data available.

TERATOGENICITY: There is no data available.

SPECIFIC TARGET ORGAN TOXICITY: (single exposure)

NAME	CATEGORY	TARGET ORGANS
Methanol	Category 1	Not Determined.

SPECIFIC TARGET ORGAN TOXICITY: (repeated exposure)

NAME	CATEGORY	TARGET ORGANS
Trimethoxyvinylsilane	Category 2	bladder
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	Category 2	kidneys and liver
Crystalline silica	Category 1	respiratory tract

ASPIRATION HAZARD: No data available.

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE: Dermal contact. Eye contact. Inhalation. Ingestion.

POTENTIAL ACUTE HEALTH EFFECTS

EYE CONTACT: Causes serious eye irritation.

INHALATION: Causes damage to organs following a single exposure if inhaled.

SKIN CONTACT: Causes damage to organs follwing a single exposure in contact with skin. Causes skin irritation. May cause an allergic skin reaction.

INGESTION: Causes damage to organs following a single exposure if swallowed.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

EYE CONTACT: Adverse symptoms may include the following:
pain or irritation
watering
redness

INHALATION: No known signifcant effects or critical hazards.

SKIN CONTACT: Adverse symptoms may include the following:
irritation
redness

INGESTION: No known significant effects or critical hazards.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONGER TERM EXPOSURE

SHORT TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS: No known significant effects or critical hazards.

POTENTIAL DELAYED EFFECTS: No known significant effects or critical hazards.

LONG TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS: No known significant effects or critical hazards.

POTENTIAL DELAYED EFFECTS: No known significant effects or critical hazards.

POTENTIAL CHRONIC HEALTH EFFECTS

GENERAL: Causes damage to organs through prolonged or 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.

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 TOXICITY

ACUTE TOXICITY ESTIMATES

ROUTE	ATE VALUE
Oral Dermal Inhalation	6780 mg/kg 20340 mg/kg 159.81 mg/L

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	EXPOSURE
Titanium dioxide	Acute LC50 >1000000 µg/L Marine water	Fish - Fundulus heteroclitus	96 hours
Methanol	Acute LC50 2500000 µg/L Marine water Acute LC50 3289 mg/L Fresh water Acute LC50 290 mg/L Fresh water	Crustaceans - Crangon crangon - Adult Daphnia - Daphnia magna - Neonate Fish - Danio rerio - Egg 96 hours	48 hours 48 hours 96 hours

PERSISTENCE AND DEGRADABILITY: No data available.

BIOACCUMULATIVE POTENTIAL:

PRODUCT/INGREDIENT NAME	$LogP_{ow}$	BCF	POTENTIAL
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	8.8	0.1	low
Stearic acid	8.23	—	high
Methanol	-0.77	<10	low

MOBILITY IN SOIL: No data available.

OTHER ADVERSE EFFECTS: No known significant effects or 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 any by-products should 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 safe way. Care should be taken when handling empty 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.

UNITED STATES - RCRA TOXIC HAZARDOUS WASTE "U" LIST

INGREDIENT	CAS #	STATUS	REFERENCE NUMBER
METHANOL	67-56-1	listed	U154

SECTION 14. TRANSPORTATION 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.

AERG: Not Applicable

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

U.S. FEDERAL REGULATIONS: **TSCA 8(a) CDR Exempt/Partial exemption:** Not Determined.
United States inventory (TSCA 8b): All components are listed or exempted.

CLEAN AIR ACT SECTION 112(B) HAZARDOUS AIR POLLUTANTS: Listed

CLEAN AIR ACT SECTION 602 CLASS I SUBSTANCE: Not listed

CLEAN AIR ACT SECTION 602 CLASS II SUBSTANCES: Not listed

DEA LIST I CHEMICALS (PRECURSOR CHEMICALS): Not listed

DEA LIST II CHEMICALS (ESSENTIAL CHEMICALS): Not listed

SARA 302/304

COMPOSITION/INFORMATION ON INGREDIENTS: No products were found.

SARA 304 RQ: Not applicable.

SARA 311/312

311/312 HAZARD CATEGORIES:
SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 1A
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 1
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (bladder, kidneys, liver, respiratory tract) - Category 1

NAME	CLASSIFICATION
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B
Titanium dioxide	CARCINOGENICITY - Category 2
Stearic acid	SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
Trimethoxyvinylsilane	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (inhalation) - Category 4 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (bladder) (oral) - Category 2
Methanol	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 1
N-(3-(trimethoxysilyl)propyl)ethylenediamine	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SKIN SENSITIZATION - Category 1
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys, liver) (oral) - Category 2
Crystalline silica	CARCINOGENICITY - Category 1A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (respiratory tract) (inhalation) - Category 1

SARA 313

NAME	PRODUCT NAME	CAS NUMBER
Form R - Reporting requirements	Methanol	67-56-1
Supplier Notification	Methanol	67-56-1

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.

STATE REGULATIONS

MASSACHUSETTS: The following components are listed: Limestone; Titanium dioxide; Methanol; Crystalline silica

NEW YORK: The following components are listed: Methanol

NEW JERSEY: The following components are listed: Limestone; Titanium dioxide; Methanol; Crystalline silica

PENNSYLVANIA: The following components are listed: Limestone; Titanium dioxide; Methanol; Crystalline silica

CALIFORNIA PROP. 65 ⚠ WARNING: This product can expose you to chemicals including Titanium dioxide and Crystalline silica, which are known to the State of California to cause cancer, and 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich and Methanol, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16. OTHER INFORMATION

Notice to reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

HMIS HAZARD CLASSIFICATION

CLASSIFICATION	JUSTIFICATION
SKIN CORROSION/IRRITATION - Category 2	Calculation method
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 1A	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 1	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (bladder, kidneys, liver, respiratory tract) - Category 1	Calculation method

HISTORY

DATE OF ISSUE MM/DD/YYYY: 06/18/2019

VERSION: 1

PREPARED BY: ALCHEMCO

KEY ABBREVIATIONS:

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service (Division of American Chemical Society)
DNEL = Derived No Effect Level
DOT = U.S. Department of Transportation
GHS = Globally Harmonized System of Classification and Labeling of Chemicals
HMIS = Hazardous Materials Identification System
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LC50 = Lethal Concentrate, 50 percent
LD50 = Lethal Dose, 50 percent
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)
NIOSH = National Institute for Occupational Safety and Health
NPFA = National Fire Protection Association
OSHA = Occupational Safety and Health Administration
PBT = Persistant, Bioaccumulative, and toxic
PEL = Permissable Limit Value
REL = Recommended Exposure Limit
TLV = Threshold Limit Value
TWA = Time Weighted Average
UN = United Nations
vPvB = Very Persistant and Very Bioaccumulative
WEL = Workplace Exposure Limit