Written Program Indoor Air Quality Standard – PEOSH
Lead in Water Testing (State Certified Lab)
Indoor Air Quality Survey & Testing for Sick Building Syndrome
Remediation/Cleanup of Mold & Moisture Problems in Schools & Commercial Buildings
Indoor Air Quality in Schools Awareness Training for Administrative/Maintenance Personnel
Asbestos Surveys and AHERA Management Plans
AHERA 2 Hour Awareness Training
"Non-Friable" Asbestos Final Air Clearance Sampling
Right to Know Survey, Compliance & PEOSHA Training
Written Hazard Communication Program (PEOSHA HCS)

RAMM Environmental Services, Inc.
Commitment, Excellence, Integrity

77 Nottingham Road, PO Box 308
Fair Lawn, New Jersey 07410
Phone: (201) 475-9880
Fax: (201) 475-9881

REPORT OF MOLD CONTAMINATION PREVENTION SPRAY CLEANSING IN ALL ROOFTOP FRESH AIR INTAKES AND ALL UNIVENTS AT HIGH SCHOOL, MIDDLE SCHOOL, BOARD OFFICE BUILDING, AND EXTRA 4,000 SQ. FT. BUILDING ACROSS THE STREET FROM MIDDLE SCHOOL TUCKERTON, NEW JERSEY

Prepared for:
Pinelands Regional Board of Education
520 Nugentown Road, PO Box 248
Tuckerton, NJ 08087-0248
Attn.: Mr. Richard Mueller
Director of Operations
Tel: (609) 296-3106
Fax: (609) 296-6905

Prepared by:
RAMM Environmental Services, Inc.
77 Nottingham Road, PO Box 308
Fair Lawn, NJ 07410
Mr. Rodger Headrick, CMRS
President
Tel: (201) 475-9880
Fax: (201) 475-9881

August 29, 2017

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August 29, 2017

Pinelands Regional Board of Education
520 Nugentown Road, PO Box 248
Tuckerton, NJ 08087-0248
Attn.: Mr. Richard Mueller
Director of Operations

RE: Mold Contamination Prevention by Spray Cleansing in All Rooftop Fresh Air Intakes and All Univents in Classrooms/Offices Throughout the High School, Middle School, Board Office Building, and Extra 4,000 sq. ft. Building Across the Street from Middle School – Tuckerton, New Jersey

Dear Rich:

In regard to the above referenced subject, I am pleased to submit to you the Final Report.

I trust the information provided is sufficient for your use and review. Should you have any questions or need additional information, please feel free to call upon me at (201) 475-9880.

Respectfully submitted,
RAMM Environmental Services, Inc.

Rodger Headrick, CMRS
President

fh

TABLE OF CONTENTS

REPORT OF MOLD CONTAMINATION PREVENTION SPRAY CLEANSING IN ALL ROOFTOP FRESH AIR INTAKES AND ALL UNIVENTS AT HIGH SCHOOL, MIDDLE SCHOOL, BOARD OFFICE BUILDING, AND EXTRA 4,000 SQ. FT. BUILDING ACROSS THE STREET FROM MIDDLE SCHOOL TUCKERTON, NEW JERSEY

INTRODUCTION

From Monday, August 28, 2017, through Tuesday, August 29, 2017, the following functions were performed by RAMM Environmental Services, Inc. in its capacity as Pinelands Regional Board of Education representative at the Pinelands High School, Middle School, Board Office building, and extra 4,000 sq. ft. Building across the street from Middle School located in Tuckerton, New Jersey.

- Applying *Fiberlock IAQ 2500* fungicidal solvent to all surfaces in all rooftop fresh air intakes and all Univents, within all buildings.
- Applying *Fiberlock IAQ 6100* mold/mildew inhibitor to all surfaces in all rooftop fresh air intakes.

This project was necessitated due to the School District's proactive approach for clean air in the workplace.

PROJECT SUMMARY

This project was necessitated due to the School District's proactive approach for clean air in the workplace.

The work areas were visually inspected and found to be clean.

(S.D.S.) Safety Data Sheets included with this final report.

SDS Date: April, 2015

Safety Data Sheet

Per GHS Standard Format

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: IAQ 2500 No. 8325
General Use: Ready-to-Use Disinfectant Cleaner
Product Description: RTU Tuberculocidal Disinfectant
Chemical Family: Quaternary Ammonium Chloride
EPA Registration Number: 1839-83-73884

Information on the Supplier of the Safety Data Sheet

Manufactured For:
Fiberlock Technologies, Inc.
150 Dascomb Road
Andover, MA 01810
P: 800-342-3755 F: 978-475-6205

Emergency Telephone Numbers:
CHEM TEL: (U.S.): 1-800-255-3924
(Outside the U.S.): 813-248-0585
Poison Control Center (Medical): 800-222-1222

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: **WARNING**

GHS Label Statements
Hazard Statements:
Causes eye irritation.
Causes mild skin irritation.
May be harmful if swallowed.

GHS Classifications
This product is considered hazardous by The 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Skin Irritation, Category 3
Eye Irritation, Category 2B

PRECAUTIONARY STATEMENTS

Prevention: Wash hands thoroughly after handling. Keep only in original packaging.
Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing.
Storage: Store locked up.
Disposal: Dispose of contents/container in accordance with all local, state, and federal regulations.

EMERGENCY OVERVIEW

Physical appearance: Blue liquid
Immediate concerns: Moderate eye irritant.

POTENTIAL HEALTH EFFECTS

Eyes: Contact causes eye irritation.
Skin: May be mildly irritating with prolonged or repeated contact.
Skin absorption: No known significant effects or critical hazards.
Ingestion: Harmful if swallowed.

REPRODUCTIVE TOXICITY

Teratogenic effects: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.
Routes of entry: Eye, skin, ingestion.
Warning caution labels: Irritant
Physical hazards: None Expected

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight, %
n-Alkyl dimethyl benzyl ammonium chloride (C12-C18)	68391-01-5	0.105
N-alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	85409-23-0	0.105
Tetrasodium ethylenediamine tetraacetate	64-02-8	0-2
Diethylene Glycol Butyl Ether	112-34-5	5-10
Dye	N/A	<0.1
Fragrance	N/A	<1
Water	7732-18-5	90

SECTION 4: FIRST AID MEASURES

Eye Contact

Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.

Skin Contact

Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.

Inhalation

Remove victim to fresh air and monitor. Seek medical advice if irritation persists.

Ingestion

Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

Signs and Symptoms of Overexposure

Eyes: Burning sensation with tears, redness.

Skin: Redness and itching sensation.
Ingestion: Irritation of mouth, throat, along with stomach upset, vomiting.
Inhalation: Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.
Acute toxicity: Irritating to eyes, mild skin irritation.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable class: None
Extinguishing media: Not required.
Explosion hazards: None
Hazardous decomposition products: Decomposition products may include: Carbon dioxide, Carbon monoxide, nitrogen oxides.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small spill: Avoid runoff into storm sewers and ditches which lead to waterways.
Large spill: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.
Environmental Precautions
Water spill: Avoid discharges into open waterways.
Land spill: Avoid discharge to soil.
Air spill: NA = Not Applicable
General procedures: Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other noncombustible material and transfer to containers.
Release notes: Product is toxic to fish.
Special protective equipment: Eye protection, rubber gloves, rubber boots to protect feet.

SECTION 7: HANDLING AND STORAGE

General Procedures
Do not contaminate water, food, or feed by storage or disposal.

Handling
Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

Storage
Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, and water sources. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

Storage Temperature
(50°F) Minimum to (120°F) Maximum

Storage Pressure
Store at ambient atmospheric pressure.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines
OSHA Hazardous Components (29 CFR1910.1200)

Chemical Name	*ACGIH TLV*	*Supplier OEL*
Diethylene Glycol Butyl Ether	TWA: 10 ppm	TWA: 35 ppm, NL mg/m³ STEL: NL ppm, NL mg/m³

Personal Protective Equipment
Eyes and face: Safety glasses with side shields.
Skin: Rubber or other chemical resistant gloves.
Respiratory: A respirator is not needed under normal and intended conditions of product use.
Work hygienic practices: Wash with soap and water after handling. Do not eat, drink or smoke while using product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Odor: Fresh
Odor threshold: Not Established
Color: Blue
pH: 11.5-12.0
Percent volatile: >98
Flash point and method: None
Flammable limits: N/A
Autoignition temperature: NA = Not Applicable
Vapor pressure: 20 mm Hg at 20°C (68°F)
Vapor density: ~ Air = 1
Boiling point: 212°F;100°C
Freezing point: 32°F; 0°C
Thermal decomposition: Not available
Solubility in water: Complete
Evaporation rate: (Water =1) 1.0
Density: 8.37 at 20°C (68°F)
Specific gravity: 1.003 grams/ml at 20°C (68°F)
Viscosity: Water thin.
(VOC): None

SECTION 10: STABILITY AND REACTIVITY

Reactivity
Stable

Hazardous Polymerization
Will not occur.

Conditions to Avoid
Not Established

Hazardous Decomposition Products
None Expected

Incompatible Materials
Strong oxidizers

SECTION 11: TOXICOLOGICAL INFORMATION

Chemical Name	*Oral LD_{50} (rat)*	*Dermal LD_{50} (rabbit)*
n-Alkyl dimethyl benzyl ammonium chloride (C12-C18)	>1890 mg/kg (rat)	>2000 mg/kg (rabbit)
N-alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	>500 mg/kg (rat)	>2000 mg/kg (rabbit)
Tetrasodium ethylenediamine tetraacetate	3030 mg/kg (rat)	>5000 mg/kg (rabbit)
Diethylene Glycol Butyl Ether	~4500 mg/kg (rat)	~2764 mg/kg (rabbit)

Dermal LD_{50}: >2000 mg/kg male and female rabbits.
Oral LD_{50}: >5000 mg/kg male and female rats.

Eye effects: Mild to moderate eye irritant.
Skin effects: May irritate skin with prolonged or repeated contact.
Carcinogenicity
IARC: No listed substance
Corrosivity: NA = Not Applicable
Genetic effects: No known significant effects or critical hazards.
Reproductive effects: No known significant effects or critical hazards.
Target organs: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

Environmental data: Not Established
Ecotoxicological information: This product is toxic to fish.
Aquatic toxicity (ACUTE): Not Established
Chemical fate information: This product is biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal method: Attempt to use product completely in accordance with intended use. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at your local office, or the nearest EPA regional office for guidance.
For large spills: Consult with local and state authorities for large volume disposal.
Empty container: Triple rinse container promptly after emptying. Fill container 1/4 full with water and recap. Shake for 10 seconds. Drain and repeat. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

SECTION 14: TRANSPORT INFORMATION

DOT

Proper Shipping Name	Not regulated.
Placards	None
Label	None
U.S. Customs Harmonization #	3808.94.0000

IATA/ICAO

Shipping Name	Not regulated.

IMDG/IMO

Shipping Name	Not regulated.

SECTION 15: REGULATORY INFORMATION

United States

DOT label symbol and hazard classification

Sara Title III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories: Health – Acute

Fire: No **Pressure Generating:** No **Reactivity:** No **Acute:** Yes **Chronic:** No

313 Reportable Ingredients: No listed substance

EPCRA Section 313 Supplier Notification

Chemical Name	Wt %	CAS
Diethylene Glycol Butyl Ether	5-10	112-34-5

302/304 Emergency Planning

Emergency Plan: No listed substance

TSCA (Toxic Substance Control Act)

TSCA Regulatory: All ingredients are listed on the TSCA Chemical Inventory.

California Proposition 65: No listed substance

Carcinogen: No listed substance

FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act): Regulated

SECTION 16: OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 0	Instability 0	Special Hazard
HMIS	Health Hazards 2	Flammability 0	Physical Hazard 0	Personal Protection B

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD (5323) or log on to: www.epa.gov/lead

Manufacturer Disclaimer: This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.

SDS Date: April, 2015

Safety Data Sheet

Per GHS Standard Format

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: IAQ 6100 No. 8361 Clear
Recommended Use of Product: Mold Resistant Coating

Information on the Supplier of the Safety Data Sheet

Manufactured For:
Fiberlock Technologies, Inc.
150 Dascomb Road
Andover, MA 01810
P: 800-342-3755 F: 978-475-6205

Emergency Telephone Numbers:
CHEM TEL: (U.S.): 1-800-255-3924
(Outside the U.S.): 813-248-0585
Poison Control Center (Medical): 800-222-1222

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: **WARNING**

GHS Label Statements
Hazard Statements:
Harmful if inhaled.
Can cause mild skin irritation.
Causes serious eye irritation.
May cause cancer.

GHS Classifications
This product is considered hazardous by The 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Acute Toxicity-Inhalation (Vapors) Category 4
Acute Toxicity-Inhalation (Dust-mists) Category 4
Serious eye damage/eye irritation – Category 2
Skin sensitization – Category 1
Carcinogenicity – Category 2

PRECAUTIONARY STATEMENTS

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection (eye protection, gloves) during application. When grinding/sanding dry films, wear respiratory protection.

Response: If on skin, wash with plenty of soap and water. If in eyes, rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If inhaled, remove victim to fresh air. If exposed or concerned, get medical advice.
Storage: Keep closures tight and containers upright to prevent leakage. KEEP FROM FREEZING. Product is non-combustible.
Disposal: The coating and any contaminated diking material should be thoroughly air dried and collected into drums. The drums should be sealed and labeled and land-filled or incinerated according to local, regional and national regulations.
Hazards Not Otherwise Classified (NHOC): Not applicable
Unknown Toxicity: Over 70% of the mixture consists of ingredients of unknown toxicity.
Other Information: Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight, %*
Propylene glycol	57-55-6	3-7
Chlorothalonil	1897-45-6	0.1-1
Methylchloroisothiazolinone	26172-55-4	0.1-1

***The exact concentration of composition has been withheld as a trade secret.**

SECTION 4: FIRST AID MEASURES

General Advice
Show this safety data sheet to the doctor in attendance if immediate medical attention is required.

Eye Contact
If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

Skin Contact
Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. May cause an allergic skin reaction.

Inhalation
Remove to fresh air. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately. If not breathing, give artificial respiration. Do not breathe dust.

Ingestion
Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Self-Protection of the First Aider
Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8). Ensure that medical personnel are aware of the material(s)

involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapors or mists.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects
Burning sensation. Coughing and/or wheezing. Difficulty in breathing. Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
Treat symptomatically. May cause sensitization of susceptible persons.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical: Product is/or contains a sensitizer. May cause sensitization by skin contact.

Uniform Fire Code
Sensitizer: Liquid Toxic: Liquid

Hazardous Combustion Products: Carbon oxides

Explosion Data
Sensitivity to mechanical impact No.
Sensitivity to static impact No.

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Avoid breathing vapors or mists. Avoid generation of dust.

Other Information: Refer to protective measures listed in Sections 7 & 8

Environmental Precautions

Environmental Precautions: Refer to protective measures listed in Sections 7 & 8.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Immediately place absorbent material in a sealed water-filled metal container to avoid spontaneous combustion of absorbent material contaminated with this product. Pick up and transfer to properly labeled containers.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Avoid breathing vapors or mists. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Keep away from contact with clothing and other combustible materials to avoid fire.

Conditions for Safe Storage, Including any Incompatibilities

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

Incompatible Products: None known based on information supplied.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	*ACGIH TLV*	*OSHA PEL*	*NIOSH IDLH*
Titanium dioxide 13463-67-7	TWA: 10 mg/m^3	TWA: 15 mg/m^3 total dust (vacated) TWA: 10 mg/m3 total dust	IDLH: 5000 mg/m3

ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration – Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters

Appropriate Engineering Controls

Engineering Measures: Showers / Eyewash Stations / Ventilation Systems

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: If splashes are likely to occur, wear safety glasses with side shields (or goggles). None required for consumer use.

Skin and Body Protection: Wear protective gloves and protective clothing

Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Viscous liquid	**Odor:**	Very Slight
Appearance:	White*	**Odor Threshold:**	No information available
Color:	No information available		

***Except for 41295 Cleartone Base**

Property	Values	Remarks/Method
pH	8.5	None known
Melting/freezing point	No data available	None known
Boiling point/boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Miscible in water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing properties	No data available	

Other Information	
Softening Point	No data available
VOC Content (%)	No data available
Particle size	No data available
Particle size distribution	No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity
No data available

Conditions to Avoid
Excessive heat

Chemical Stability
Stable under recommended storage conditions

Incompatible Materials
None known based on information supplied

Possibility of Hazardous Reactions
None under normal processing

Hazardous Decomposition Products
Carbon oxides

Hazardous Polymerization
Hazardous polymerization does not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information: Product does not present an acute toxicity hazard based on known or supplied information

Inhalation: Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation (based on components).

Eye Contact: Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. May cause redness, itching, and pain. May cause temporary eye irritation.

Skin Contact: Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.

Ingestion: Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	*Oral LD50*	*Dermal LD50*	*Inhalation LC50*
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)		
Propylene Glycol 57-55-6	= 2000 mg/kg (Rat)	=20800 mg/kg (Rabbit)	
Chlorothalonil 1897-45-6		> 10 g/kg (Rabbit)	= 310 mg/m^3 (Rat) 1 hr
Methylchloroisothiazolinone 26172-55-4	> 481 mg/kg (Rat)	> 1008 mg/kg (Rat)	= 1.23 mg/L (Rat) 4 h

Information on Toxicological Effects

Symptoms: May cause redness and tearing of the eyes, coughing and/or wheezing, itching, rashes and hives.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Sensitization: May cause sensitization of susceptible persons. May cause sensitization by skin contact.

Mutagenic Effects: No information available

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	*ACGIH*	*IARC*	*NTP*	*OSHA*
Titanium dioxide 13463-67-7		Group 2B		X
Crystalline silica 14808-60-7	X			X

ACGIH (American Conference of Governmental Industrial Hygienists)
A2 – Suspected Human Carcinogen
IARC (International Agency for Research on Cancer)
Group 2B – Possibly Carcinogenic to Humans
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X-Present

Reproductive Toxicity, STOT Single Exposure, STOT Repeated Exposure: No information available

Chronic Toxicity: Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. Contains a known or suspected carcinogen.

Target Organ Effects: Eyes, respiratory system, skin, gastrointestinal tract (GI) & lungs.

Aspiration Hazard: No information available

Numerical Measures of Toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)
8,711.00 mg/kg
ATEmix (dermal)
21,608.00 mg/kg (ATE)
ATEmix (inhalation-gas)
3,118.00 ppm (4hr)
ATEmix (inhalation-dust/mist)
2.41 mg/l
ATEmix (inhalation-vapor)
16.00 ATEmix

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic life.

Chemical Name	*Toxicity to Algae*	*Toxicity to Fish*	*Toxicity to Microorganisms*	*Daphnia Magna (Water Flea)*
Propylene Glycol 57-55-6	96h EC50: 19000mg/L (Pseudokirchneriella Subcapitata)	96h LC50: = 51600 mg/L (Oncorhynchus mykiss) 96h LC50: 41-47 mL/L (Oncorhynchus mykiss) 96h LC50: = 51400 mg/L (Pimephales promelas) 96h LC50: = 710 mg/L (Pimephales promelas)		24h EC50: = 10000 mg/L 48h EC50: = 10000 mg/L
Chlorothalonil 1897-45-6	72h EC50: = 0.57 mg/L (Desmodesmus subspicatus) 72h EC50: = 0.0068 mg/L (Pseudokirchneriella Subcapitata)	96h LC50: = 0.012 mg/L (Oncorhynchus mykiss) 96h LC50: 0.0076 mg/L (Oncorhynchus mykiss) 96h LC50: 0.0221-0.032 mg/L (Lepomis macrochirus) 96h LC50: 0.045-0.057 mg/L (Lepomis macrochirus)		48h EC50: 0.0342 – 0.143 mg/L
Methylchloroisothiazolinone 26172-55-4	72h EC50: 0.11-0.16mg/L (Pseudokirchneriella Subcapitata) 96h EC50: 0.03-0.13 mg/L (Pseudokirchneriella subcapitata) 120h EC50: = 0.31 mg/L (Anabaena Flos-aquae)	96h LC50: = 1.6 mg/L (Oncorhynchus mykiss)	EC50 = 5.7 mg/L 16h	48th EC50: = 4.71 mg/L 48h EC50: 0.12-0.3 mg/L 48h EC50: 0.71-0.99 mg/L

Persistence and Degradability: No information available.

Bioaccumulation

Chemical Name	*Log Pow*
Methylchloroisothiazolinone 26172-55-4	-0.71-0.75

Other Adverse Effects: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal Methods: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging: Dispose of contents/containers in accordance with local regulations

California Hazardous Waste Codes: 331

or the superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

JS State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	*California Proposition 65*
Chlorothalonil – 1897-45-6	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	*New Jersey*	*Massachusetts*	*Pennsylvania*	*Rhode Island*	*Illinois*
Propylene glycol – 57-55-6	X		X		
Chlorothalonil – 1897-45-6	X	X	X	X	

International Regulations

Canada
WHMIS Hazard Class
D2A – Very toxic materials
D2B – Toxic materials

SECTION 16: OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 0	Instability 0	Physical and Chemical Hazards
HMIS	Health Hazards 2*	Flammability 0	Physical Hazard 0	Personal Protection X

Chromic Hazard Star Legend * = Chronic Health Hazard

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD (5323) or log on to: www.epa.gov/lead

PROJECT CONCLUSIONS

The work area is clean and acceptable. Follow "Mold Prevention Guidelines" on following page.

The key to mold control is moisture control. Solve moisture problems before they become mold problems!

Mold Prevention Guidelines

- ✓ Fix leaky plumbing and leaks in the building envelope as soon as possible.
- ✓ Watch for condensation and wet spots. Fix source(s) of moisture problem(s) as soon as possible.
- ✓ Prevent moisture due to condensation by increasing surface temperature or reducing the moisture level in air (humidity). To increase surface temperature, insulate or increase air circulation. To reduce the moisture level in air, repair leaks, increase ventilation (if outside air is cold and dry), or dehumidify (if outdoor air is warm and humid).
- ✓ Keep heating, ventilation, and air conditioning (HVAC) drip pans clean, flowing properly, and unobstructed.
- ✓ Vent moisture-generating appliances, such as dryers, to the outside where possible.
- ✓ Maintain low indoor humidity, below 60% relative humidity (RH), ideally 30%-50%, if possible.
- ✓ Perform regular building/HVAC inspections and maintenance as scheduled.
- ✓ Clean and dry wet or damp spots within 48 hours.
- ✓ Do not let foundations stay wet. Provide drainage and slope the ground away from the foundation.