



LEAD REMEDIATION SCOPE OF WORK

Site Information:

Wayside Elementary School – HVAC Replacement
1000 Ming Avenue, Bakersfield, CA 93307



Prepared for:

Bakersfield City School District
1300 Baker Street, Bakersfield, CA 93305
(661) 631-5885

Prepared by:

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YES Environmental, Inc. (YES, Inc.)
YES, Inc. Project Number 24YES-106
December 18, 2024

This SOW should be printed in **color**.



LEAD SCOPE OF WORK

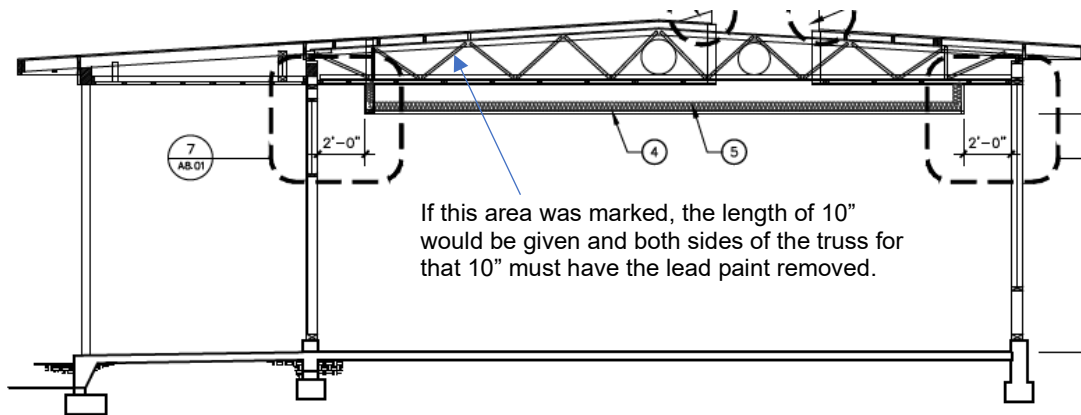
Wayside Elementary School – HVAC Replacement

PURPOSE OF PROJECT

In order for Bakersfield City School District to weld additional metal supports to existing metal trusses, lead-based paint on the metal trusses need to be removed at specific locations, and the work must be done using lead-safe work practices. The contractor is responsible for field verifying their own measurements for bidding, notification, waste characterization, or any other purpose. Here is a quantity breakdown by building that should be included in the bid:

- Building “E” – 180 locations throughout the metal trusses in this building.
- Building “A” – 180 locations throughout the metal trusses in this building.
- Building “B” – 180 locations throughout the metal trusses in this building.
- Building “C” – 288 locations throughout the metal trusses in this building.

Each spot where removal is needed will require the lead to be removed on both sides of the truss. The average length of spot removal is 10”. For bidding purposes, the contractor will not need to include any area larger than 12” to be removed on any one area on the metal truss. In addition, identifying the locations of the spot removal will be the responsibility of District. Here is a diagram that shows a truss and an example of a location that will be identified:



APPROXIMATE START DATES

Here are the approximate start dates for each building. NOTE: These dates are subject to change based on the needs of the construction schedule.

- Building “E” – Approximate Start Date Jan 6-8, 2025
- Building “A” – Approximate Start Date Mar 10-12, 2025
- Building “B” – Approximate Start Date May 27-29, 2025
- Building “C” – Approximate Start Date Aug 18-22, 2025

NUMBER OF DAYS TO COMPLETE THE WORK

The contractor shall have three (3) business days, per building, to complete the lead work in buildings A, B and E. The contractor shall have five (5) business days to complete the lead work in building C. Further, this lead work will be performed inside of active asbestos containments, requiring personal protective equipment (see WORKER PROTECTION paragraph below for more information) to be donned. Should the contractor exceed days given to complete lead work in any building, the cost of containment setup, labor and supplies to establish a lead regulated area will be the responsibility of the contractor.



DEFINITIONS

- Abatement Activities:** precleaning of jobsite, setup of containment/regulated area, removal of asbestos-containing materials and final cleaning inside containment/regulated area in preparation for post abatement clearance air sampling or completion of work visual.
- Asbestos-Containing:** material containing any detectable amount of asbestos. Acronym ACM.
- Lead-Containing:** material containing any detectable amount of lead. Acronym LCP or LBP.
- Remediation Activities:** precleaning of jobsite, setup of containment/regulated area, removal or disturbance of any sort of lead-containing materials and final cleaning inside containment/regulated area in preparation for job completion visual inspection by consultant.
- Contractor:** Remediation contractor, abatement contractor or any trade qualified to conduct the work described in this Scope of Work.
- Consultant:** BCSD's environmental consultant.

Types of Lead Materials			
Types	Definition	Lead Content Standard	
LBP	Lead-based paint, coating or material	By XRF: 1mg/cm ² or greater By Paint Chip: 0.5 wt%; or 5,000 ppm or greater	
LCP	Lead-containing paint, coating or material	By XRF: <1mg/cm ² By Paint Chip: <0.5 wt%; or 5,000 ppm	
ND	No lead detected	By XRF: Requires paint chip confirmation By Paint Chip: <reporting limit	

Summary of XRF Findings		
Material Description	Locations	Lead Type & Result
Orange (red lead) paint on metal trusses	See XRF table for specific testing information Buildings A, B, C & E	LBP ≥1.00 mg/cm ²

ADDITIONAL LEAD INFORMATION

Contractors, whose employees work at this site, are required to assess if their work will be subject to the requirements of the Cal/OSHA lead construction standard (CCR Title 8 § 1532.1). Cal/OSHA standards are designed to regulate and enforce on-the-job worker safety. Employers are required by law to ensure that employees are not exposed to airborne lead levels which exceed the permissible exposure limit (PEL). The standard requires worker exposure monitoring, medical surveillance, training, special work practices, etc.

Each contractor/employer who bids and/or performs work at the site will need to assess potential lead exposure to employees performing their particular scope of work. Contractors who perform work at this site may need to obtain additional data (beyond the data presented in this report) during their assessment and Cal/OSHA compliance planning. Individual contractors/subcontractors should be allowed access to the project to obtain any needed data (samples, consultation, etc.) to complete their employee exposure assessment.

Any work performed at the site where LBP or LCP is likely to be disturbed should be performed by a contractor trained and qualified to perform lead-related construction work. Any work that exceeds Cal/OSHA's permissible exposure limit or is performed to remediate a lead hazard must be conducted by CDPH certified personnel.



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LEAD REGULATIONS FURTHER EXPLAINED

The lead work described in this Scope of Work is designed to assist the prime contractor and his sub-contractors to meet the requirements of the California lead standard for the construction industry, CCR Title 8, Section 1532.1. The requirements in this SOW are NOT intended to permanently eliminate lead-based paint or lead paint hazards. The results of the lead inspection indicate the materials anticipated to be disturbed contain lead-containing paint, not lead-based paint. Therefore, CDPH form 8551 which addresses Abatement of Lead Hazards shall not be submitted on this project.

Should changes to any of the following occur, it may result in the requirement of form 8551 to be submitted to CDPH:

- Work practices demonstrated by the remediation contractor; or
- SOW is revised in such a way which meets the requirements for abatement.

If a lead hazard is created, the contractor creating the lead hazard shall be responsible for all costs associated with clean-up and compliance with Title 17.

NOTIFICATIONS

The contractor shall be responsible for the submission of all notifications triggered by lead disturbance. This includes Cal/OSHA Lead Work Pre-Job Notification.

SUPERVISOR & WORKER TRAINING REQUIRED

LEAD

Workers and supervisors disturbing components with lead-based paint must have, at a minimum, action-level lead training as described by Cal/OSHA 8 CCR 1532.1.

In addition, any contractor disturbing lead-based painted components on these structures must be RRP certified by the EPA as a company, and all individuals performing activities that disturb painted surfaces on behalf of the firm are either certified renovators or have been trained by a certified renovator. All renovations performed by the firm must be performed in accordance with the work practice standards of the Lead-Based Paint Renovation, Repair, and Painting Program in accordance with 40 CFR Part 745 Subpart E.

ASBESTOS

Since the lead work will be performed inside of active asbestos containments, workers and supervisors shall have EPA AHERA accredited training as asbestos workers or contractor supervisors.

CAL/OSHA LEAD IN CONSTRUCTION STANDARD

The requirements within this scope of work (SOW) are designed to assist the remediation contractor to meet the requirements of the Cal/OSHA lead standard for the construction industry, Title 8 CCR Section 1532.1. The more stringent requirement between this SOW and Title 8 CCR Section 1532.1 shall take precedence.

PRE-JOB SUBMITTAL REQUIREMENTS

A hard copy of the remediation contractor's pre-job submittal packet shall be submitted to YES, Inc. and:

1. Include all of the items listed in the attached Submittal Requirements;
2. Be provided to and approved by YES, Inc. prior to the start of work by the remediation contractor.
3. Manifests shall be submitted to the project manager on the first day of the project for review, and also for final approval prior to waste removal from the job site.
4. Double sided copies are not acceptable.
5. Delays in providing the required submittals may affect the start of the project.
6. Electronic submittals will be accepted for viewing and approval purposes only.



OTHER CONSIDERATIONS

Item	District Provided	Contractor Must Provide	Not Applicable / Required
Water	X		
Power	X		
Removal of Items to be saved	X		
Removal & Disposal of Items Remaining in Work Area	X		
Safety & Security of Equipment		X	

ALLOWABLE FORMS OF COMMUNICATION

The contractor shall establish a means of communication between the supervisor and workers inside the containment/regulated area which includes two-way radios or equivalent. At no time will yelling, whistling or banging on containment, walls or on the decontamination chambers be allowed as a form of communication.

OCCUPANCY

This building will be unoccupied in the areas where lead disturbance is occurring. Other areas inside the building, but outside of the containment, may be occupied by staff and students, and other trades conducting work at this site.

WASTE BIN/CONTAINERS

All bins/containers brought on-site to deposit waste into must be lockable or securable. Bins shall be secured at the end of every shift. Plywood shall be placed under the wheels of each bin to protect the existing surface. Bins must be double lined with 6-mil poly prior to waste being deposited. Containers must have the appropriate labels affixed on them as soon as any lead-contaminated debris is deposited.

LEAD CONTAINMENT SETUP REQUIREMENTS

1. Building E will require a single layer of 6-mil poly on the floor to be installed. The size of the poly shall extend 10 feet in all directions beyond the point of removal. If 10 feet is not possible due to vertical barriers, such as a wall, the contractor shall extend the poly vertically up the wall for protection. All poly used on this project shall be 6-mil and flame retardant.
2. Buildings A, B and C will be under active containment when the lead work is required to be performed. The contractor may use the existing asbestos containment to perform the lead removal provided it meets the requirements included in this SOW and Cal/OSHA's Lead in Construction Standard 8 CCR 1532.1.
3. A decontamination wash station shall be setup at each lead regulated area that includes water, soap, towels and sticky mat shall be set up and used for hygiene purposes and to prevent the tracking out of lead-contaminated debris. Should a contractor's disturbance methods demand or choose to don disposable suits, the wash station must be built as a chamber. A chamber shall be built large enough to accommodate all workers donning PPE without being able to be seen by staff, students, or anyone else walking by.
4. The contractor is required to contain the disturbance of lead in a manner which prevents lead-contaminated dust, debris and water from leaving the regulated work area. Uncontrolled releases will not be allowed and will be cause for stopping the project until modified work practices and containment that prevent these releases from occurring are designed and implemented.
5. The containment must be developed in compliance with the requirements of CCR 8 1532.1, these specifications and must be approved by the consultant.
6. All those entering the regulated area must sign in on a roster that documents their presence in the area.



WORKER PROTECTION

The contractor shall provide respiratory protection as outlined in current Cal/OSHA regulations. However, at a minimum:

1. During the removal and detail cleaning of lead-based paint, workers shall wear at a minimum, half-face negative-pressure respirator with P-100 HEPA cartridges, nitrile gloves, and eye protection.
2. In addition, quality disposable coveralls such as Tyvek-like suits shall be worn by all workers during all lead activities on this project.
3. Contractor shall provide the chain of custody and laboratory results of their worker air monitoring results each week on Wednesday for the previous week's samples. Unless a negative exposure assessment is produced, worker air monitoring must continue as long as lead activities are being performed.

HEPA FILTERED EQUIPMENT REQUIREMENTS

Vacuums and/or negative air units arriving dirty or appearing to be contaminated shall be removed from the project site. Units must be positioned in the standard upright manner in which the manufacturer designed the equipment to operate.

LEAD DISTURBANCE PROCEDURES

1. Lead-based paint removal shall be performed using the these means and methods:
 - o Application of Smart Strip Pro (SSP) for lead to the metal trusses. See attached SDS for this product.
 - o Cover the areas where the SSP is applied to the trusses with a single layer of 6-mil poly and sealed with duct tape.
 - o Leave for approximately 2 hours. Contractor shall begin removing the lead immediately using wire brushes, abrasive scrub pads, and rags. Other tools are allowed to be used provided they are proven effective in removing the lead-based paint quickly and efficiently. The consultant will have final approval of removal methods.
 - o Contractor must check the areas where the chemical is applied every 15 minutes after the 2-hour minimum has been met to determine if the lead-based paint can be stripped.
 - o For final cleaning procedures, each area where the lead paint is removed shall be cleaned with soapy water and rinsed clean. The area shall be wiped dry with disposable rags or towels.
2. All removal methods must be performed using amended water.
3. Lead-containing paints or components shall be disturbed and/or removed while being kept wet (via chemical stripper or amended water), inside a containment and promptly placed into leak-tight containers.
4. Lead waste must be containerized before any work stoppages, such as for breaks, lunch, or the end of a shift. Bulk debris must be kept adequately wet until containerized. The contractor must plan only to disturb amounts of material that can be cleaned up and containerized before the next work stoppage.

PROHIBITED WORK PRACTICES

1. Uncontrolled releases. This is cause for stopping the project until modified work practices and containment that prevent these releases from occurring are designed and implemented.
2. Dry removal or dry disturbance of any kind. Garden hoses are prohibited on this project during remediation activities.
3. Mechanical tools without HEPA vacuum attachment and HEPA vacuum properly attached according to manufacturer recommendation.

COMPLETION OF LEAD REMOVAL

The contractor's site supervisor shall inspect the areas where the LBP is removed to determine whether it is ready for a final visual inspection by the consultant. Upon a passing visual inspection by the contractor's supervisor, the consultant will also inspect work areas for visual signs of dust and debris related to the disturbance of lead. All surface areas must be clean and free of paint. Residual paint, dust, of any nature, that was generated on this project and found within the regulated area will be assumed to contain lead and must be cleaned. A passing visual inspection by the consultant shall constitute the LBP paints are complete.

Contractor shall keep lead trained staff on-site during the visual inspection process to ensure any deficiencies identified are fixed immediately.



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LEAD DISPOSAL

All waste generated for this project shall be disposed of as hazardous waste. The Contractor is required to comply with all regulations in Title 8 Section 1532.1 Lead in Construction, all appropriate sections of Title 17 Lead Related Construction and Cal/EPA Title 22 for waste classification and disposal. The containers shall be leak tight and meet the requirements as stated in these specifications. Bags and other containers shall not be overfilled.

Attachments:

- A. Lead Submittal Requirements
- B. Site & Building Maps
- C. Safety Data Sheet for Smart Strip Pro



Attachment A – Submittal Requirements

Lead Submittal Requirements

Note: not all of the items listed below are applicable for every project. Only the items applicable are required to be included in the submittal packet.

Prestart Submittals

1. Contractor's license(s) & Training
 - a. CSLB license
 - b. EPA RRP
 - c. Proof of Lead Training
2. Notifications
 - a. San Joaquin Valley APCD or appropriate local EPA enforcement agency for the job site location.
 - b. Cal/OSHA
 - i. Lead notification
 - c. Equipment rented
 - i. Proof the rental company has been made aware the rented equipment will be used for lead related work.
3. Site specific safety/emergency plan
 - a. This must include, but is not limited to, the nearest hospital's phone number and address;
 - b. Local police department phone number and address;
 - c. Title, name and phone number of the contractor's contact whom should be contacted in the event of an emergency.
4. Contractor worker documentation for all workers on-site
 - a. Proof of lead training (Cal/OSHA, CDPH or EPA, etc.)
 - b. Proof of medical approval to wear a respirator
 - c. Respirator fit test
5. Contractor's respiratory protection program
6. Negative exposure assessment (if requesting to don lesser PPE than specified in the SOW)
7. Safety data sheets
 - a. All hazardous materials (as defined by Cal/OSHA)
8. Waste Disposal
 - a. Paperwork for landfill proving the landfill will accept the waste
 - b. Proof of licensed waste hauler and company for hazardous waste
 - c. Waste characterization of lead waste
 - d. Manifest for all types of waste to be generated



Submittals Required During the Project

1. Daily copies
 - a. Safety meeting (if held daily)
 - b. Worker roster of all employees onsite – regardless of training
 - c. Entry/exit log for employees entering/exiting containment/regulated area
2. Weekly
 - a. Safety meeting
 - b. Worker personal air monitoring
 - c. Area air monitoring

Submittals Required at the Conclusion of the Project

1. Contractor Air Monitoring & Lab Results (refer to the SOW for required frequency)
2. Any other paperwork as requested by the Consultant or Building Owner

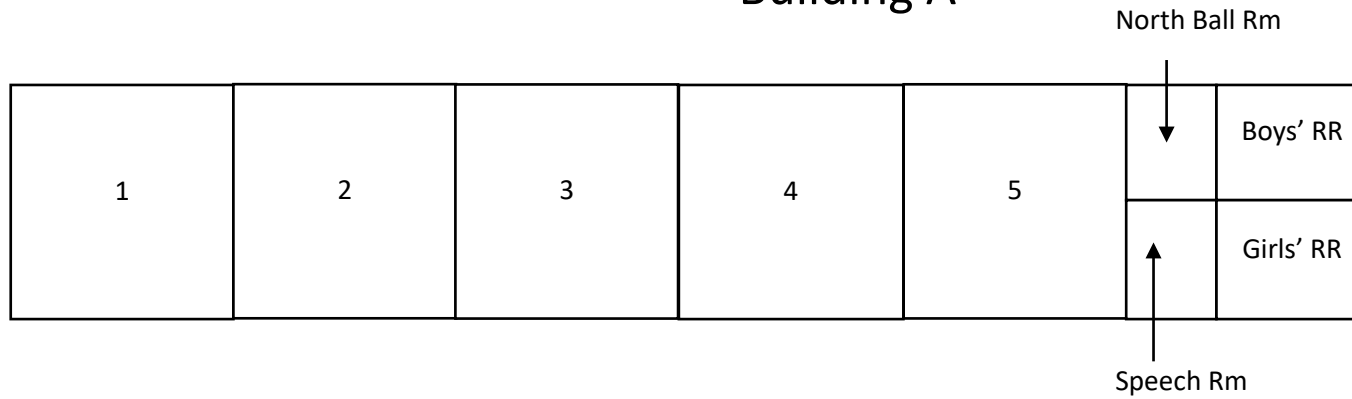


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Attachment B – Site & Building Maps

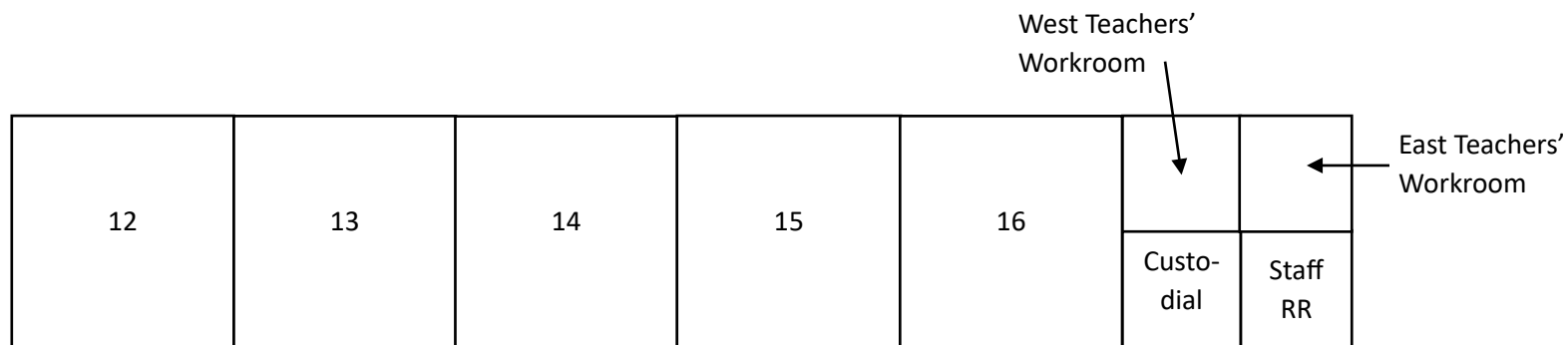


Building A



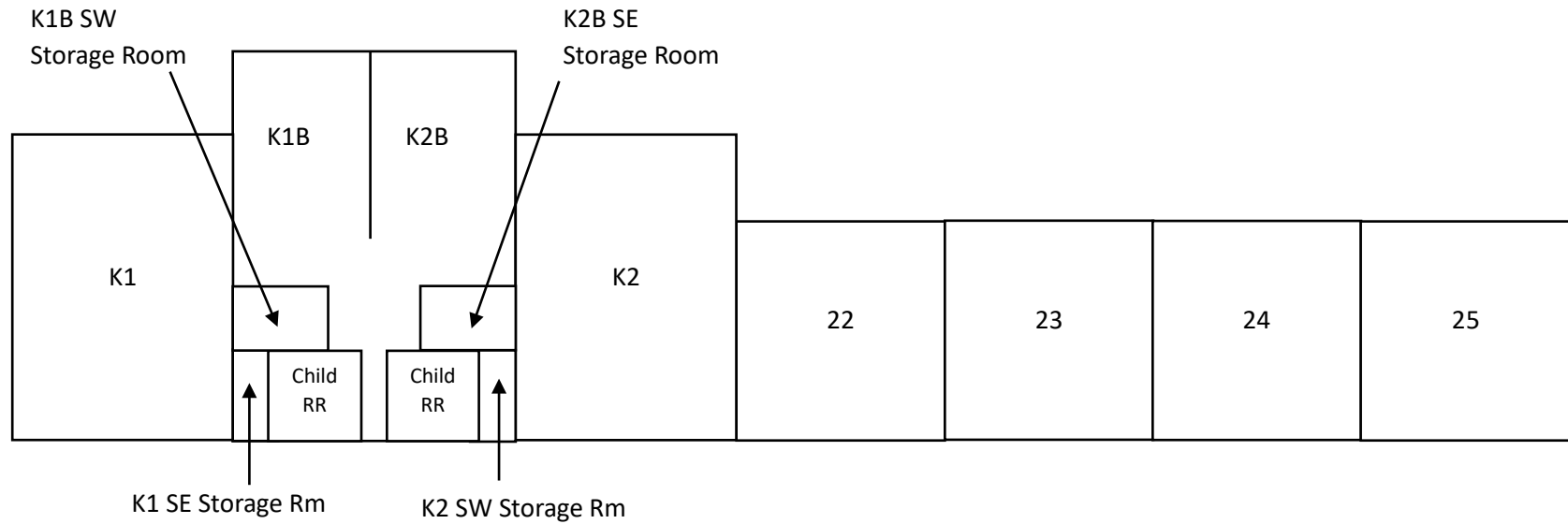


Building B





Building C



Not Drawn To Scale



Building E

Boys' RR	Custo- dial Room	17	18	19	20	21
Girls' RR						



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Attachment C – Safety Data Sheet for Smart Strip Pro

Issue Date: 01-Nov-2018

Revision Date: 17-Apr-2023

Version 3

1. IDENTIFICATION

Product identifier

Product Name Smart Strip® Pro Paint Remover

Other means of identification

SDS # DCI-073

Recommended use of the chemical and restrictions on use

Recommended Use For the removal of various paints from numerous substrates.

Details of the supplier of the safety data sheet

Supplier Address

Dumond, Inc.
253 S. Bailey Road
Downingtown, PA 19335

Emergency telephone number

Company Phone Number 1-609-655-7700
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance: White Viscous Liquid

Physical state: Viscous liquid

Odor: Aromatic

Classification

The classification and labeling information in this Safety Data Sheet should be viewed as provisional, as physical test data has not been performed.

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

Signal Word

Warning

Hazard statements

Harmful if inhaled
Causes skin irritation
Causes serious eye irritation



Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling

Precautionary Statements - Response

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 ON SKIN: Wash with plenty of water and soap
 Take off contaminated clothing and wash before reuse
 If skin irritation occurs: Get medical advice/attention
 IF INHALED: Remove person to fresh air and keep comfortable for breathing
 Call a poison center or doctor/physician if you feel unwell

3. COMPOSITION/INFORMATION ON INGREDIENTS

Please also refer to subsequent sections of this SDS for additional information regarding the components of this product.

Chemical name	CAS No	Weight-%
Benzyl alcohol	100-51-6	30-40
Glycolic Acid	79-14-1	1-10
Calcined Kaolin	92704-41-1	<1

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**Description of first aid measures****Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Skin Contact

Wash thoroughly with soap and water until no traces of the chemical remain. Remove contaminated clothing and shoes. Call a poison center or doctor/physician if you feel unwell or if skin irritation persists.

Inhalation

Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician/poison center if individual's condition declines or if symptoms persist.

Ingestion

Rinse mouth. If conscious give 2 glasses of water to dilute. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a poison center or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed**Symptoms**

Causes eye and skin irritation. Harmful if inhaled. May be harmful if swallowed. May be harmful in contact with skin. Mists and vapors cause irritation of the eyes, mucous membranes, and upper respiratory tract.

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water spray (fog). Foam. Dry chemical or CO₂.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Sealed containers may rupture when heated. At elevated temperatures, vapors may form explosive mixtures with air in confined areas. Decomposition may be hazardous. Cool containers exposed to flames with water until well after the fire is out.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Wear appropriate protective clothing and equipment to prevent contact.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information. Do not allow into any sewer, on the ground or into any body of water.

Methods and material for containment and cleaning up

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

Methods for Clean-Up Scoop up and collect with an inert absorbent and place into closable containers for disposal. Wash spill area with plenty of water. Spills and releases may have to be reported to Federal and/or local authorities. See section 15.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Remove Personal Protective Equipment immediately after handling this product. Wash thoroughly after handling before eating, drinking, smoking, or using toilet facilities. Protect container from physical damage. Follow all SDS/label precautions even after container is emptied, because it may retain product residues. Do not breathe vapors or spray mist.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep in a dry, cool and well-ventilated place.

Incompatible Materials Bases. Strong oxidizers and reducing agents. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines No exposure limits noted for ingredient(s).

Appropriate engineering controls

Engineering Controls For operations where contact can occur, a safety shower and an eye wash facility should be available. Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Chemical safety goggles/faceshield. Do not wear contact lenses. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Butyl rubber or other impervious gloves are required. Reference Wiley's "Quick Selection Guide to Chemical Protective Clothing". Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection None needed under normal use conditions with adequate ventilation. If the occupational exposure limits are exceeded, a NIOSH approved respirator with acid gas cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Viscous liquid	Odor	Aromatic
Appearance	White viscous liquid	Odor Threshold	Not determined
Color	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	2.1-3	
Melting point / freezing point	-15°C / -5°F	
Boiling point / boiling range	96°C / 205°F	
Flash point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limit in Air		
Upper flammability or explosive limits	Not determined	
Lower flammability or explosive limits	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Relative Density	Not determined	
Water Solubility	Moderately soluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

Other information

Bulk density	10.55 lbs / gal
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10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children.

Incompatible materials

Bases. Strong oxidizers and reducing agents. Strong acids.

Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	The product has not been tested
Eye Contact	Causes serious eye irritation.
Skin Contact	Causes skin irritation. May be harmful in contact with skin. Prolonged contact may cause redness and irritation.
Inhalation	Harmful if inhaled.
Ingestion	May be harmful if swallowed.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Benzyl alcohol	= 1230 mg/kg (Rat)	= 2 g/kg (Rabbit)	= 8.8 mg/L (Rat) 4 h
Proprietary 1	= 15900 mg/kg (Rat)	-	-
Glycolic Acid	= 1950 mg/kg (Rat)	-	> 5.2 mg/L (Rat) 4 h = 3.6 mg/L (Rat) 4 h
Proprietary 2	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 5.6 mg/L (Rat) 4 h
Proprietary 3	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	-
Proprietary 6	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Proprietary 7	= 1400 mg/kg (Rat)	-	-
Calcined Kaolin 92704-41-1	> 2000 mg/kg (Rat)	-	-
Proprietary 8	= 3 g/kg (Rat)	> 10000 mg/kg (Rabbit)	> 42 g/m ³ (Rat) 1 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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Numerical measures of toxicity

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

Oral LD50	3,033.2502 mg/kg
Dermal LD50	5,430.80 mg/kg
ATEmix (inhalation-dust/mist)	3.59 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not determined.

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Benzyl alcohol 100-51-6		10: 96 h Lepomis macrochirus mg/L LC50 static 460: 96 h Pimephales promelas mg/L LC50 static	23: 48 h water flea mg/L EC50
Glycolic Acid 79-14-1		5000: 96 h Brachydanio rerio mg/L LC50 static	
Calcined Kaolin 92704-41-1	100: 72 h Desmodesmus subspicatus mg/L EC50	100: 96 h Oncorhynchus mykiss mg/L LC50 semi-static	1: 48 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

No information available.

Mobility

Chemical name	Partition coefficient
Benzyl alcohol 100-51-6	1.1
Glycolic Acid 79-14-1	-1.11

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION**International Inventories**

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Benzyl alcohol	X	ACTIVE	X	X	X	X	X	X	X
Proprietary 1	X	ACTIVE	X	X	X	X	X	X	X
Proprietary 2	X	ACTIVE	X	X	X	X	X	X	X
Glycolic Acid	X	ACTIVE	X	X	X	X	X	X	X
Proprietary 3	X	ACTIVE	X	X	X	X	X	X	X
Proprietary 4	X	ACTIVE	X		X	X	X	X	X
Proprietary 5	X	ACTIVE	X	X	X	X	X	X	X
Proprietary 6	X	ACTIVE	X	X	X	X	X	X	X
Proprietary 7	X	ACTIVE	X		X	X	X	X	X
Calcined Kaolin	X	ACTIVE	X	X	X	X	X	X	
Proprietary 8	X	ACTIVE	X	X	X	X	X	X	X

Legend:*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS - Japan Existing and New Chemical Substances**IECSC - China Inventory of Existing Chemical Substances**KECL - Korean Existing and Evaluated Chemical Substances**PICCS - Philippines Inventory of Chemicals and Chemical Substances**AICS - Australian Inventory of Chemical Substances*

US Federal Regulations**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product contains the following substance(s) regulated under applicable state right-to-know regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Benzyl alcohol 100-51-6		X	X

16. OTHER INFORMATION**NFPA****Health Hazards**

Not determined

Flammability

Not determined

Instability

Not determined

Special Hazards

Not determined

HMIS**Health Hazards**

Not determined

Flammability

Not determined

Physical hazards

Not determined

Personal Protection

Not determined

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Disclaimer

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

End of Safety Data Sheet