EFFLORESCENCE WORK SEQUENCE

1. **Mobilize**
    - **a.** Preferred Image has a trailer unit that is self contained with their material and tools.
    - **b.** They will set up the trailer in the work area. This will be their work area and will be cautioned off. See attached drawing
    - **c.** They will set up a containment area just off the concrete on the asphalt to minimize the run-off. Peat Moss will be used to provide the containment area. Due to the asphalt texture, this may not provide a 100% barrier and any rinse water will be diluted and rinsed to the bio-retention pond.
    - **d.** A boom lift will be used to access the wall.
2. **Cleaning**
    - **a.** The wall will scraped with a flat scraper to remove the build up of the efflorescence.
    - **b.** Calcite Presoak will be brushed onto the wall and will be agitated for 3 minutes. The MSDS and product data are attached.
    - **c.** NMD-80 will be brushed over the Calcite Presoak and agitated for 5 minutes. The MSDS and product are attached.
    - **d.** The pressure washer will be used to rinse the wall at a rate of 3-5 gpm.
    - **e.** A person on the ground will shop vacuum up the spent rinse as it collects on the ground in the containment.
    - **f.** Steps b. through e. will be repeated if necessary.
    - **g.** The rinse will be collected in a 100 gal tank in a truck bed. The can be transported and disposed of at a PSB containment drain to enter the Acid Waste Neutralization system. This has been discussed with JLab and will be coordinated with JLab personnel.
3. **Block Sealing**
    - **a.** Tape the window and door frames with protective plastic**.**
    - **b.** Roll on the Prosoco Bloc Guard & Graffiti Control on the West (left) sample panel only. The MSDS and Product data are attached**.**
4. **Demobilize**

Activity Hazard Analysis (AHA)

Activity/Work Task: Masonry Wash Down/Efflorescence removal	Overall Risk Assessment Code (RAC) (Use highest code)	**M**
Project Location: JLabs Newport News, Virginia	**Risk Assessment Code (RAC) Matrix**	
Contract Number: 10-C0164	**Severity** / **Probability**	
Date Prepared: October 11, 2012		
Prepared by (Name/Title): Allen Wetmore		
Reviewed by (Name/Title): Rick Dalberg		
Notes: (Field Notes, Review Comments, etc.)		

Severity	Frequent	Likely	Occasional	Seldom	Unlikely
Catastrophic	**E**	**E**	**H**	**H**	**M**
Critical	**E**	**H**	**H**	**M**	**L**
Marginal	**H**	**M**	**M**	**L**	**L**
Negligible	**M**	**L**	**L**	**L**	**L**

Step 1: Review each **"Hazard"** with identified safety **"Controls"** and determine RAC (See above)

"Probability" is the likelihood to cause an incident, near miss, or accident and identified as: Frequent, Likely, Occasional, Seldom or Unlikely.

"Severity" is the outcome/degree if an incident, near miss, or accident did occur and identified as: Catastrophic, Critical, Marginal, or Negligible

Step 2: Identify the RAC (Probability/Severity) as E, H, M, or L for each "Hazard" on AHA. Annotate the overall highest RAC at the top of AHA.

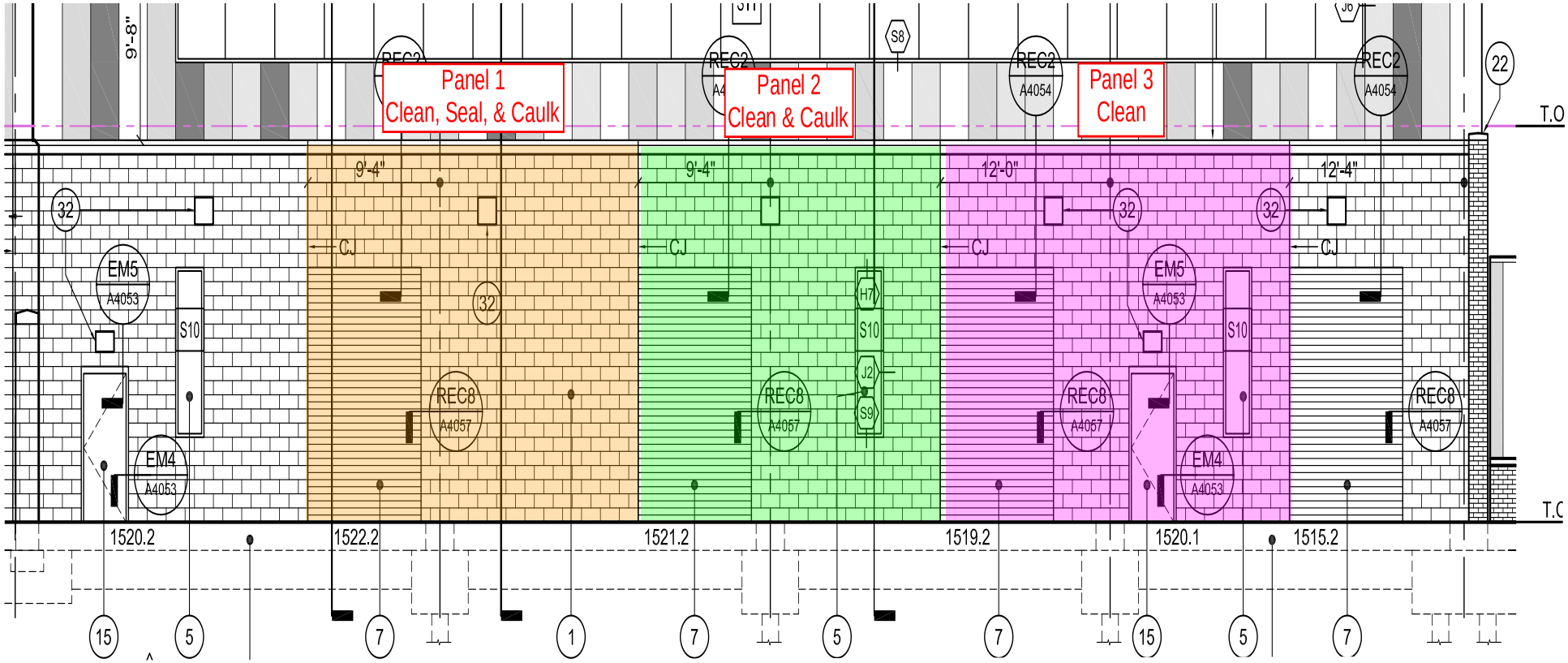
RAC Chart

E = Extremely High Risk
H = High Risk
M = Moderate Risk
L = Low Risk

Job Steps	Hazards	Controls	RAC
Mobilize	Lifting, Hand Injuries, Protection of Public	Standard PPE – Hardhat, High Visible Vest, safety glasses, and safety toed work boots Use proper lifting techniques. The overhead and man doors on elevation TED Area A South will be blocked off from the interior and a spotter will be stationed at the exterior.	**L**
Cleaning of Efflorescence & calcite stains- Scrape heavy build area with flat scraper. Pre-wet surrounding areas, apply calcite presoak by brush, let dwell for 3 minutes, apply NMD-80 by brushing let dwell 5 minutes. Use pressure washer to rinse wall using 3-5 gpm. Shop vacuum up spent cleaning agent. Dump shop vacuum into larger barrel to be dispose of at PSB containment drain using a gravity fed hose. This will coordinated with JLab	Eye Injury, chemical Burns, falls	Wash down personnel shall wear eye goggles, Chemical Resistant Gloves and long sleeve shirts, at all times while working with cleaning agent per the MSDS. (calcite presoak &NMD-80)	**M**

personnel. Block Sealing – Tape windows and door frames with plastic. Apply Bloc Guard and Graffiti control by roller on west (left) sample panel only	Eye Injury, falls	Insure PPE is worn at all times. Solvent resistant gloves. Safety Glasses, Long sleeve shirts. Eyewash station will be set up in the work zone.	**L**
Demobilize	Eye Injury, Lifting, Falls	Clean up. Remove plastic from window and doors frames.	**L**

Equipment to be Used	Training Requirements/Competent or Qualified Personnel name(s)	Inspection Requirements
Boom Lift Harnesses, Lanyards, Retractable lanyards	Operator Trained by Competent Person Fall Protection Training by Competent Person Allen Wetmore	Inspection of personal Fall Protection Equipment. Personal fall protection equipment shall be inspected by the end user prior to each use to determine that it is in a safe working condition and fill out the Harness inspection form. A competent person for fall protection shall inspect the equipment at least once semi-annually and whenever equipment is subjected to a fall or impacted. Inspection by the competent person shall be documented. Defective or damaged equipment shall be immediately removed from service and replaced.
Pressure Washer (Cold Water)	Operation Training conducted by company president as per manufactures requirements for operation.	Inspect daily prior to use. Check condition of hoses, wand, and tips. Insure any noted damaged items are repaired or replaced.


Panel 1
Clean, Seal, & Caulk
Panel 2
Clean & Caulk
Panel 3
Clean
9'-8"
9'-4"
9'-4"
12'-0"
12'-4"
CJ
CJ
CJ
CJ
32
32
32
32
EM5
A4053
EM5
A4053
EM4
A4053
EM4
A4053
S10
S10
S10
H7
J2
S9
REC2
A4054
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S8
22
T.O
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1519.2
1520.1
1515.2
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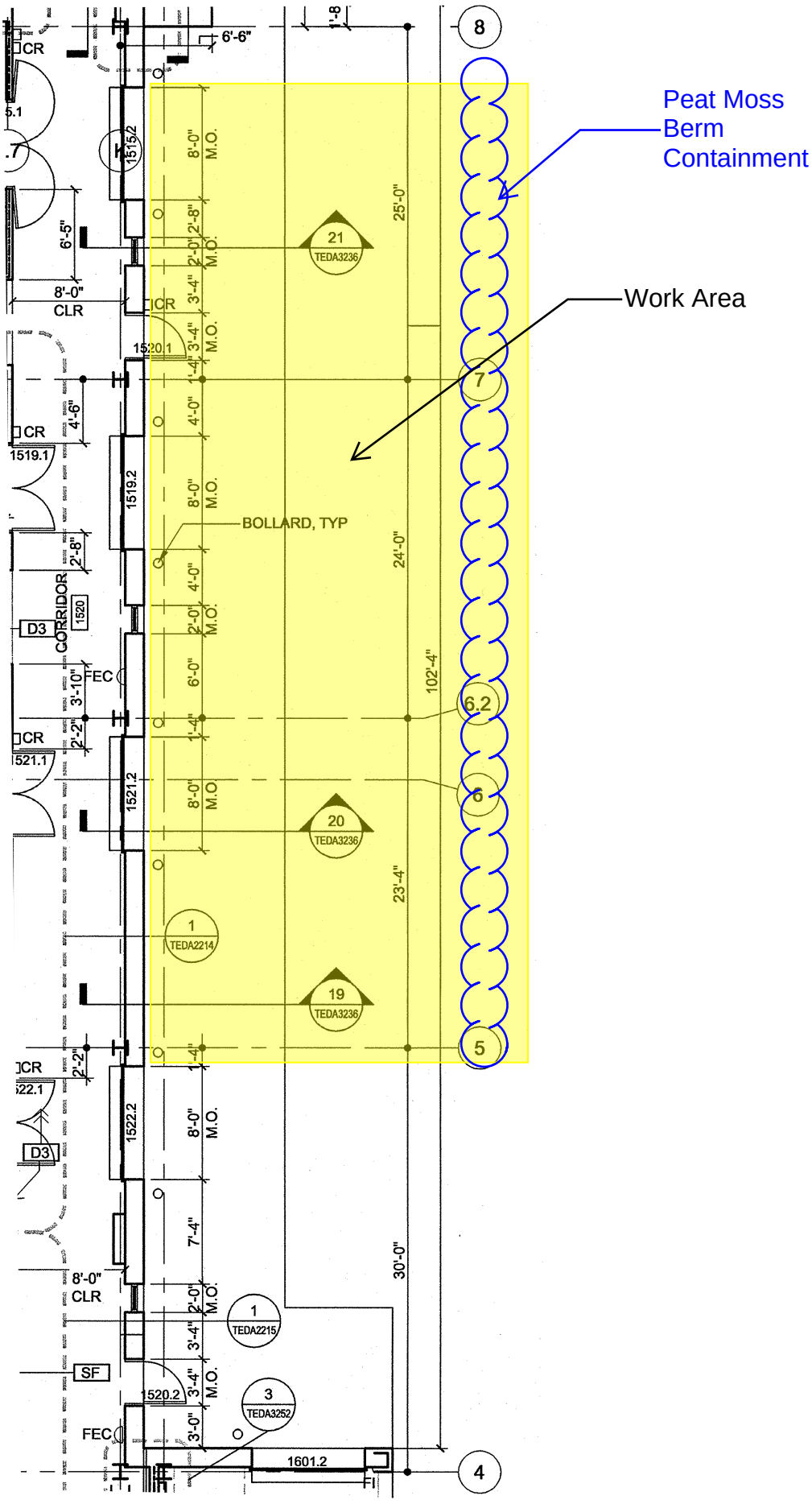
Peat Moss
Berm
Containment
Work Area
BOLLARD, TYP
CORRIDOR
8
7
6.2
6
5
4
21
TEDA3236
20
TEDA3236
19
TEDA3236
1
TEDA2214
1
TEDA2215
3
TEDA3252
25'-0"
24'-0"
23'-4"
102'-4"
30'-0"
6'-6"
8'-0"
CLR
FEC
SF
D3
1601.2

Calcite Presoak

Calcium Presoak

Description and Use
* First step presoak to allow quick removal of calcium. (To be followed with NMD 80).
* Water stain remover for calcium based substrates including limestone, block, precast, and unpolished marble. (To be followed with OneRestore)

Advantages
* Power penetration and softening action.

Limitations
* May bleach if used repeatedly straight.

Technical Data
Appearance & Odor: Clear liquid, mild odor.
Physical State: Liquid
pH: 1.5
Vapor Pressure (mmHg): N/A
Vapor Density (air=1): N/A
Boiling Point: 212° F
Freezing/Melting Point: 5° F
Specific Gravity (WATER =1): 1.367
Evaporation Rate: N/A
Solubility in Water: Complete

Preparation
Protect adjacent and surrounding surfaces not intended to be cleaned.

Surface & Air Temperatures
Avoid damage to masonry surfaces. Do not clean when temperatures are below freezing or are expected to be below freezing the night before cleaning. If freezing conditions exist prior to application, allow adequate time for masonry surfaces to thaw. Best cleaning results are obtained when air and surface temperatures are 40º Fahrenheit or above.

Pre-Testing
Always test prior to beginning full-scale cleaning operations. Testing should confirm cleaning effectiveness on each type of surface and stain designated to be cleaned. Test also to determine the desired surface contact time and any potential for adverse reactions with adjacent materials. Allow test panels to dry thoroughly before evaluating final appearance and results.

Application Instructions
To quickly soften heavy deposits, apply the product undiluted via sprayer directly on the areas of calcite. A heavy white foam will result. If the calcite deposit is very thick, allow this foam to collapse completely and repeat this application. Do a scratch test on the surface to see if the calcite is softened. If not, repeat above steps. Once the calcite has softened, without rinsing apply NMD 80 and/or Effortless (undiluted). Heavy white foam will form. Calcite is totally gone when white foaming ceases. If you see green foam when using undiluted NMD80, there is no calcite. Rinse immediately. You can rinse with a trigger sprayer, garden hose or pressure rinse off. Finish with applications of NMD 80 diluted at 4:1, then rinse off thoroughly.

Note: *Do not allow Calcite Presoak to run down the surface, bleaching may occur. Apply enough product on the calcite deposits without over soaking to avoid runs. If runs occur, rinse the excess immediately.*

Dilutions
Use undiluted
Use NMD 80 undiluted up to a 4:1 dilution and/or Effortless (undiluted) as an additional application for trace removal.

Precautionary Measures
Always wear goggles and gloves when handling this product. Keep off of skin and clothing. If material comes in contact with clothing, wash before reuse. Contains Phosphoric and Sulfuric Acid. Do not get in eyes, on skin or clothing. Avoid breathing fumes. Keep container closed when not in use. Use with adequate ventilation. Applicators should wear boots and gloves, face shields and/or goggles made of solvent resistant materials to avoid splash to bare skin and eyes. Dispose of empty containers according to federal, state and local requirements. Avoid drifting of material or rinse water onto autos and pedestrians by protecting or diverting such traffic. Do not use for any other applications other than specified. Do not remove label. Read Material Safety Data Sheet for additional safety and health hazard information prior to use. Plants should be well wet down before exposure to this product and exposure should be kept to a minimum.

Spill or Leak Procedures
Check with the state, local, or federal regulations for waste disposal methods in the area. Wear proper protective equipment while doing cleanup. For large spills, dike and contain for intended use. For small spills, use a chemical absorbent product and place in approved container for disposal.

EaCo Chem. Inc.
765 Commerce Ave
New Castle PA 16101

Phone: (800) 313-8505
Fax: (724) 656-0757
www.eacochem.com

Calcite Presoak

Calcium Carbonate Presoak

Container Handling/Storage

Store the product in a cool dry place away from alkali / base. Do not allow this product to freeze. Vent bung cap before opening. Keep container tightly closed when not in use. Wash thoroughly after handling. Empty containers retain residue and vapors and must be handled as if full. Completely rinse drum prior to disposal

Instructions in Case of Contact or Exposure

Eyes: Flood with water for fifteen minutes. Seek immediate medical attention.

Skin: Wash off with soap and water for fifteen minutes. If irritation persists, call physician.

Inhalation: Remove to fresh air. Call physician and seek medical attention if irritation persists.

Ingestion: Do not induce vomiting. Drink lots of water. Seek immediate medical attention.

Notice

This product has been classified in accordance with the hazard criteria of the CFR.

Disclaimer

The information herein is given in good faith, but no warranty, either expressed or implied is made. Final determination of the 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 be sure or guarantee these are the only hazards which exist.

Customer Service

Factory personnel are available for assistance at 800-313-8505 and will send you additional information on products as necessary.

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Material Safety Data Sheet EaCo CHEM, Inc.

SECTION: 1 **SUPPLIER INFORMATION**

Product Name:	Calcite Presoak
Product Use:	First step calcite remover
Name of Manufacturer:	EaCo CHEM, Inc.
Address:	765 Commerce Ave New Castle PA 16101
Emergency telephone:	1-800-255-3924
Date Prepared:	1-15-01 Updated: 6-1-10
DOT Classification:	8, Corrosive liquid, NA #1760, Guide 154. pg. 11

SECTION: 2 **HAZARDOUS INGREDIENTS**

CHEMICAL NAME	OSHA/PEL	ACGIH/TLV	CAS. NO.
Butyl Cellosolve	50 ppm	50 ppm	111-76-2
Phosphoric Acid	1 mg/m3	1 mg/m3	7664-38-2
Sulfuric Acid	1mg/m3	1 mg/m3	7664-93-9

Ingredients not precisely identified are proprietary or non hazardous under Federal Hazard Communication Standard (29 CFR 1910.1200)
Note: N/E = Not established

SECTION: 3 **HAZARDS IDENTIFICATION**

Route(s) of entry:	Eyes, Skin, Ingestion, Inhalation
Chemical listed as carcinogen:	NO
Oor potential carcinogen:	NO
National Toxicology Program:	NO
I.A.R.C. Monographs:	NO
OSHA:	NO

Signs and symptoms of exposure: Moderately toxic if swallowed. May cause headache, dizziness, and irritation to respiratory tract. Corrosive to skin and eyes.
Medical conditions generally aggravated by exposure: Dermatitis mucous membrane infections.

SECTION: 4 **EMERGENCY FIRST AID**

EYES:	Flood with water 15 minutes. Seek immediate medical attention.
SKIN:	Wash off with soap and water. If irritation persists, call physician.
INGESTION:	Drink copious amounts of water. Seek immediate medical attention.
INHALATION:	Remove to fresh air.

SECTION: 5 **FIRE FIGHTING MEASURES**

Flash Point and Method:	None, product not expected to burn.
Hazardous decomposition products:	Thermal decomposition products may be hazardous. These include Phosphorous Oxide fumes and sulfur dioxide. Contact with common metals may produce potentially explosive hydrogen gas.
Conditions of flammability:	N/A
Means of extinction:	Water, dry chemical, foam, carbon dioxide.
Special procedures:	Under extreme circumstances, if material comes in contact with metals, it may generate hydrogen gas which can explode.

SECTION : 6 **PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to be taken if material is released or spilled: Large spill; dike and contain for intended use. Small spill; Absorb on oil dry and place in approved container for disposal. Make sure proper ventilation and safety equipment is available.
Clean-up procedures: Neutralize area to complete cleanup with a small amount of a weak alkaline solution.
Waste Disposal Method: Consult federal, state, and local regulations in your area.
Precautions to be taken in handling and storage: Store in a cool dry place, away from alkalis. Vent bung before opening. Always wear protective equipment when handling this product.

SECTION: 7 **CONTROL MEASURES**

Expiratory Protection:	None needed if exposure limits are not exceeded.
Ventilation:	Local exhaust to maintain the TLV.
Protective Gloves:	Yes
Goggles:	Yes
Other protective clothing or equipment:	Normal work clothing covering arms and legs. Wash clothing before reuse. Keep off skin and clothing.

SECTION :8 **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Odor:	Clear liquid, acrid odor
Physical State:	Liquid
pH:	1.5
Vapor Pressure (mmHg):	N/A
Vapor Density (air = 1):	N/A
Boiling Point:	210^{o}F
Specific Gravity (Water =1):	1.10
Solubility in water:	Complete

SECTION :9 **STABILITY AND REACTIVITY**

Stability:	Stable under normal temperatures and pressures.
Incompatibility: (materials to avoid):	Alkalis, high heat and metals.
Hazardous decomposition:	May produce hydrochloric gas.
Hazardous polymerization:	Will not occur.

SECTION : 10 **HAZARD RATING**

HEALTH	2	4 = EXTREME
FIRE	0	3 = HIGH
REACTIVITY	2	2 = MODERATE
PERSONAL PROTECTION	C *	1 = SLIGHT
		0 = INSIGNIFICANT

C * = Chemical resistant gloves, goggles and apron.

NOTICE: This product has been classified in accordance with the hazard criteria of the CFR and the MSDS contains all the information required by the CFR.

DISCLAIMER: The information herein is given in good faith, but no warranty, either expressed or implied is made. Final determination of the 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 be sure or guarantee these are the only hazards which exist.

NMD 80

Product Specification

New Masonry Detergent

Description and Use
NMD 80 is a buffered detergent-based solution designed for the cleaning of new masonry structures. NMD 80 can be used on many types of brick, block, unpolished stone, cast stone, and pre-cast. No scrubbing is necessary.

Advantages
* Spray-on/spray-off application Increases square foot production and reduces labor.
* Top-down rinsing dramatically reduces total water into the wall.
* Detergent means fewer applications
* No respirator needed when spraying outside
* Reduces water-in-wall problems, such as efflorescence
* Will not harm glass and anodized window frames when used as directed.

Limitations
* Not to be used on polished stone
* Product is very mild but may be corrosive to certain woods, metals, and plants. Covering may be required.
* Avoid elevator doors as the coating will be affected by the chemical.
* Cover any building hardware, including brass, bronze, copper, gold, stainless steel or mild steel.
* Use low pressure rinsing on synthetic stone and surface dyed substrates. Do not brush-apply the product.

Technical Data
Appearance & Odor: Amber color, mild biting odor.
Physical State: Liquid
pH: 1.0
Vapor Pressure (mmHg): As water
Vapor Density (air=1): As water
Boiling Point: 210 deg F
Freezing/Melting Point: N/A
Specific Gravity (water =1): 1.15
Evaporation Rate: >1 As water
Solubility in Water: Complete

Preparation
Protect adjacent and surrounding building hardware surfaces not intended to be cleaned from exposure to the cleaning solution. Avoid direct contact with foliage. Cover landscaping using plastic or wet the foliage with water before and after the cleaning process.

Surfaces & Air Temperatures
Excessively high or low temperatures will produce poor results and possible harm. Best cleaning results are obtained when air and surface temperatures are 40° F or above. Do not clean when temperatures are below freezing or will be overnight. If freezing conditions exist, allow adequate time for surface to thaw. If air temperatures exceed 90° F, flash cool the surface with water or employ a spray bar below the area to be cleaned before applying product. Do not allow product to dry.

Pre-Cleaning Test Panel
Always test prior to beginning full-scale cleaning operations. Testing should confirm cleaning effectiveness on each type of surface and stain designated to be cleaned. Testing also determines the desired dwell time and any potential or adverse reactions with adjacent materials. Allow test panels to dry thoroughly before evaluating final appearance and results.

Pre-Cleaning - Windows, Window Frames, Door Frames
Best way to test windows, window frames and door frames are to apply the suggested product to the eraser end of a pencil and put one dot on each of the surfaces in question. Let product dry on the surface (10 - 15 minutes). Then rinse completely and check results. You should see no effect on the surface. If this test produces any type of discoloration, do not allow the product to come in contact with these surfaces. They must be covered prior to cleaning.

Suitable Substrates
All brick, block, tile, stone (real and synthetic), mortar, pre-cast, and concrete brick

Dilution
4:1 (4 parts water to 1 part solution) is the standard dilution on most surfaces.

Note: Dilutions may vary based on application and specific substrate to be cleaned. This is determined during the pre-cleaning test.

Coverage Rates
Coverage rates will vary from 100-200 sq. ft. per gallon depending on the surface porosity, texture and severity and type of staining.

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New Masonry detergent

Pre- Application Information

Before applying, read "Protect" in the Preparation section and "Precautionary Measures" under Safety Information. Heavy clumps should be removed while chemical soaks on the wall. Use a steel garden edger, carbide block or brick to remove chunks. Scrape after detergent application. Hold the edger at a narrow angle to the wall and use a quick chop to remove the obstruction.

Low Pressure Application

1. Lightly pre-wet or flash-cool the surface (do not soak).
2. Apply NMD 80 through an EC Jet or EC Spray to the entire section to be cleaned.
3. After the initial application of chemical, scrape the large chunks with a long handled scraper from the first 8 feet of the wall.
4. Check smears and tags to see if the crumble easily.
5. If needed, repeat application to melt remaining residue and extend dwell time. If there is no foaming, the residue is ready to be rinsed.
6. With NMD 80, the longer it stays on the wall, the cleaner the result and the least amount of rinsing is required. After re-application, scraping can be done further down the wall.
7. Begin rinsing from top down. Use long even strokes that overlap each other.

Caution: Do not allow the product to dry on a surface.

Protection

Building surfaces such as glass, anodized aluminum, brick, block, and even limestone are usually not affected by NMD80. Follow best job site practices and safety precautions. Chances of causing harm when using accepted standard practices is minimal. Elevator doors, stainless steel hardware and brass coated parts should be covered.

Tilt-Up Concrete

Dilutions will vary according to surface finish. A downstream projection nozzle is appropriate for chemical application. Cleanup entails a uniform building face without surface changes, not removal of mortar smears. Pre-wet from top to bottom, followed with a quick, even application of NMD80. Do not allow product to dry on surface. Always rinse thoroughly.

Rinsing

Proper rinsing determines the quality of the job. Generalized rules of rinsing would include:

1. Use a wide tip no less than 25 degrees. A 40-degree tip is recommended especially for sand faced or other special brick surfaces to reduce the potential for surface damage. Observe distance from the wall to avoid potential damage to the mortar joints. Do not use zero degree nozzles. Keep nozzles well back from surface.
2. Craftsmanship determines the appropriate pressures for rinsing. A thorough rinse job is always recommended, however our chemistry never requires flooding a wall. Pressures that mark or damage the surface should be avoided. When in doubt, follow the manufacturer's recommended P.S.I. for the substrate you are working on.
3. Always use overlapping passes to achieve a uniform appearance.
4. Always rinse from top down to prevent drying and to combat operator fatigue.

Note: Concrete brick, synthetic masonry and surface dyed substrates need to be rinsed at low pressures (Ex. Standard garden hose with nozzle).

Precautionary Measures

Always wear goggles and rubber gloves when handling this product. Keep off of skin and clothing. If material comes in contact with clothing, wash before re-use. Do not dilute NMD80 with any other product except water. Do not use for any other applications other than specified. Do not remove label. Avoid elevator doors as the coating can be affected. Read Material Safety Data Sheet for additional safety and health hazard information prior to use. Do not get in eyes, on skin or clothing. Avoid breathing fumes. Keep container closed when not in use. Use with adequate ventilation. MIOSH/MSHA approved respiration for use with acids if adequate ventilation is unavailable. Though the potential for fuming NMD80 is minimal, take precautions to avoid exposing building occupants to fumes. Dispose of empty containers according to federal, state, and local requirements. Avoid drifting of material or rinse water onto autos and pedestrians by protecting or diverting traffic.

Spill or Leak Procedures

Check with the state, local, or federal regulations for waste disposal methods in the area. Wear proper protective equipment

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New Masonry detergent

while doing cleanup. For large spills, dike and contain for intended use. For residual, use a chemical absorbent. For small spills, use a chemical absorbent product and place in approved container for disposal.

Container Handling/Storage

Store the product in a cool, dry place away from alkali/base materials. Do not allow this product to freeze. Vent bung cap before opening. Keep container tightly closed when not in use. Wash thoroughly after handling. Empty containers retain residue and vapors and must be handled as if full. Completely rinse drum prior to disposal.

Instructions in Case of Contact or Exposure

Eyes: Flood with water for fifteen minutes and seek medical attention. Remove contact lenses immediately.

Skin: Wash off with soap and water. Use a good skin emollient. If irritation develops, seek medical attention.

Ingestion: Drink lots of water to dilute. Do not induce vomiting. Seek immediate medical attention.

Inhalation: Remove to fresh air. Call physician and seek medical attention if irritation develops.

Notice

This product has been classified in accordance with the hazard criteria of the CFR.

Disclaimer

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Customer Service

Factory personnel are available for assistance at 800-313-8505. They are available Monday through Friday, 8am to 5pm EST. Questions may also be sent via e-mail to info@eacochem.com. A reply can be expected the following business day.

Material Safety Data Sheet

EaCo CHEM, Inc.

SECTION:1 SUPPLIER INFORMATION

Common Name:	NMD 80
Product Use:	New masonry detergent
Manufacturer:	EaCo CHEM, Inc.
Address:	765 Commerce Ave. New Castle, PA 16101
Emergency Phone:	1-800-255-3924
Date Prepared:	7-5-95 Updated: 01-14-10
DOT Info:	Compounds, cleaning liquid (contains hydrochloric (acid) 8, NA1760, PGII, ERG#154, Corrosive liquid

SECTION:2 HAZARDOUS INGREDIENTS

CHEMICAL NAME	OSHA/PEL	ACGIH/TLV	CAS. NO.
Hydrochloric Acid	5 ppm	5 ppm	7647-01-0
Proprietary Ingredients*	N.A.	N.A.	

(Specific proprietary ingredients chemical identity withheld as trade secret pursuant to OSHA regulations.)
Note: N/E = Not established - N.A.= Not Available

SECTION:3 POTENTIAL HEALTH HAZARDS

Routes of entry:	Eyes, Skin, Ingestion, Inhalation
Health Hazards:	Acute & Chronic, may cause irritation or burns from gross overexposure to eyes, skin, and respiratory system
Chemical listed as carcinogen or potential carcinogen under National Toxicology Program, I.A.R.C. Monographs, OSHA:	NO
INHALATION:	May cause irritation of nose, throat and lungs. Inhalation of concen trated vapor ormist may damage upper respiratory tract and lung tissues and may cause burning, choking and coughing and breathing difficulties which may be delayed on onset. Death may result from gross overexpo sure.
SKIN:	Repeated or prolonged contact with dilute solutions, and concentrated vapors can cause irritation and dermatitis.
EYE:	Contact with eyes may result in eye irritation or permanent visual loss unless removed quickly with thorough irrigation using water.
INGESTION:	Swallowing may cause burns of the mouth, throat and stomach. Swallowing may be fatal.

SECTION:4 EMERGENCY AND FIRST AID PROCEDURES

EYES:	Flush thoroughly with water immediately for 15 minutes. Seek immediate medical attention.
SKIN:	Flush thoroughly with soap and water. If irritation develops, seek medical attention.
INGESTION:	Do not induce vomiting. Drink copious amounts of water or milk. Seek immediate medical attention.
INHALATION:	Remove to fresh air. If not breathing, perform artificial respiration. Seek medical attention.

SECTION:5 FIRE FIGHTING MEASURES

Flash Point and Method:	Product not expected to burn.
Hazardous decomposition products:	Explosive hydrogen gas may be generated by the action of acid on some metals. Chlorine gas is released when acid is mixed with strong oxidizers.
Special Procedures:	Use procedure to fight fire that is suitable for the surrounding media. Cool exterior of storage tanks.

SECTION:6 PRECAUTIONS FOR SAFE HANDLING AND USE

Store away from heat and oxidizing agents. Keep containers closed and dry. Do not allow entry into sewers & waterways.

Waste Disposal Method: Check state local or federal regulations for your area.

SECTION:7 CONTROL MEASURES

Respiratory Protection:	None when used outside with proper ventilation. Respirator may be needed for enclosed space or inadequate ventilation.
Ventilation:	Local exhaust to maintain TLV.
Protective Gloves:	Yes.
Goggles:	Yes.
Other protective clothing or equipment:	Protect skin with clothing or protective suit.
Work/Hygiene practices:	Keep off skin and clothing. Wash clothing before reuse. Avoid wearing contact lenses.

SECTION:8 PHYSICAL AND CHEMICAL PROPERTIES

Appearance -	Odor: Light to dark amber liquid, sharp odor.
Physical State:	Liquid.
pH:	1.0
Vapor Pressure (mmHg):	N/A
Vapor Density (air = 1):	N/A
Boiling Point:	210°F
Freezing/Melting Point:	N/A
Specific Gravity (Water =1):	1.15
Evaporation Rate:	>1.0
Solubility in water:	Complete.

SECTION:9 STABILITY AND REACTIVITY

Stability:	Stable under normal temperatures & pressures.
Incompatibility:	(materials to avoid): Plants, certain soft metals, care should be taken on polished stone, strong alkalies.
Hazardous decomposition:	Chlorine gas may be released when acid is mixed with strong oxidizers.
Hazardous polymerization:	Will not occur.

SECTION:10 HAZARD RATING

HEALTH	2	4 = EXTREME
FIRE	0	3 = HIGH
REACTIVITY	1	2 = MODERATE
PERSONAL PROTECTION	C*	1 = SLIGHT
0 = INSIGNIFICANT		

C* = Chemical resistant gloves, goggles and apron.

NOTICE: This product has been classified in accordance with the hazard criteria of the CFR and the MSDS contains all the information required by the CFR.

DISCLAIMER: The information herein is given in good faith, but no warranty , either expressed or implied is made. Final determination of the 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 be sure or guarantee these are the only hazards which exist.

SURE-KLEAN® Weather Seal
Blok-Guard® & Graffiti Control

water & graffiti repellent

OVERVIEW

Sure Klean® Weather Seal Blok-Guard® & Graffiti Control is a clear, solvent-based silicone elastomer formulated to weatherproof concrete block and other porous masonry materials. Blok-Guard® & Graffiti Control protects masonry surfaces from repeated graffiti attacks without altering the natural appearance.

Blok-Guard® & Graffiti Control penetrates and fills pores to prevent water penetration through exterior walls exposed to normal weathering. Graffiti removal is fast and easy using Defacer Eraser® Graffiti Wipe. Blok-Guard® & Graffiti Control is easy to apply with low-pressure spray, brush or roller.

SPECIFICATIONS

For all PROSOCO product specifications visit www.prosoco.com and click on "SpecBuilder" or "Solution Finder."

ADVANTAGES

- Treated surfaces resist penetration of most types of graffiti.
- Simplifies graffiti removal.
- Effective protection for hard-to-seal surfaces.
- Controls rainwater penetration through exterior block walls.
- Helps control efflorescence, mildew and other moisture-related stains.
- Treated surfaces exhibit excellent surface beading and withstand extreme temperatures.
- Treated surfaces "breathe" – does not trap moisture.
- Excellent UV stability

Limitations

- Not suitable for extremely dense or polished surfaces.
- Not suitable for asphaltic surfaces.
- Not recommended for below-grade applications.
- Will not prevent water penetration through structural cracks, defects or open joints.
- May damage glass or be difficult to remove. Always protect.
- Not recommended for horizontal surfaces

REGULATORY COMPLIANCE

VOC Compliance

Sure Klean® Weather Seal Blok-Guard® & Graffiti Control is compliant with the following national, state and district regulations:

- [X] US Environmental Protection Agency
- [ ] California Air Resources Board SCM Districts
- [ ] South Coast Air Quality Management District
- [ ] Maricopa County, AZ
- [ ] Northeast Ozone Transport Commission

Manufactured and marketed in compliance with USEPA AIM VOC regulations (40 CFR 59.403).

TYPICAL TECHNICAL DATA

FORM	clear liquid
SPECIFIC GRAVITY	0.802
pH	N/A
WT/GAL	6.67 lbs
ACTIVE CONTENT	9%
TOTAL SOLIDS	9% ASTM D 2369
VOC CONTENT	>600 g/L
FLASH POINT	100° F (38° C) ASTM D 3278
FREEZE POINT	<–22°F (<–30°C)
SHELF LIFE	1 year in tightly sealed, unopened container.

Blok-Guard® & Graffiti Control

PREPARATION

Protect people, vehicles, property, plants, windows, painted surfaces, anodized aluminum, metal, glass and all non masonry surfaces from product, residue, splash, fumes and wind drift. Sure Klean® Strippable Masking is not appropriate for use with Blok-Guard® & Graffiti Control.

Ensure fresh air entry and cross ventilation during application and drying. Extinguish all flames, pilot lights and other potential sources of ignition during use and until all vapors are gone. When applying to exteriors of occupied buildings, make sure all windows, exterior intakes and air conditioning vents are covered and air handling equipment is shut down during application and until all vapors have dissipated. Apply at recommended coverage rates as excess material may contribute to vapor problems.

Surface should be clean, dry and absorbent. If cleaning is necessary, use the appropriate Sure Klean® cleaner. Do not use raw acids. Let cleaned surfaces dry completely. Newly constructed surfaces and repointed surfaces should cure for 28 days before application. Sealant and caulking compounds should be in place and cured before application. Fill cracks and voids to prevent penetration of fumes into building.

NOTE: Some floor and wall systems incorporate asphaltic or other crack-suppression membranes. This deeply penetrative protective treatment may penetrate through exposed stone, tile, grout or paver surfaces and react with the membrane to mobilize objectionable staining. Always Pretest To Ensure Desired Results.

Surface and Air Temperatures

If freezing conditions exist before application, let the masonry thaw. Surface and air temperatures should be 40–90°F (4–32°C) during application. Higher temperatures evaporate the solvent carrier and reduce penetration.

Equipment

Use brush, roller or low-pressure spray (<50 psi). Fit spray equipment with stainless steel or brass fittings and gaskets suitable for solvent solutions. Fan spray tips are recommended to avoid atomization of the material. Brushes and rollers should be nylon or other synthetic material resistant to solvent solutions.

Recommended for these substrates. Always test. Coverage is in sq.ft./m. per gallon.

Substrate	*Type*	*Use?*	*Coverage*
Architectural Concrete Block	Burnished	yes	30–100 sq.ft. 3–9 sq.m.
	Smooth	yes	
	Split-faced	yes	
	Ribbed	yes	
Concrete*	Brick	yes	75–175 sq.ft. 7–16 sq.m.
	Tile	yes	
	Precast Panels	yes	
	Pavers	no	
	Cast-in-place	yes	
Fired Clay*	Brick	yes	50–125 sq.ft. 5–12 sq.m.
	Tile	yes	
	Terra Cotta	yes	
	Pavers	no	
Marble, Travertine, Limestone	Polished	no	N/A
	Unpolished	yes	100–250 sq.ft. 9–23 sq.m.
Granite	Polished	no	N/A
	Unpolished	no	N/A
Sandstone*	Unpolished	yes	100–150 sq.ft. 9–14 sq.m.
Slate	Unpolished	no	N/A

*Blok-Guard® & Graffiti Control is suitable for most substrates. May darken or enhance natural color of exposed aggregate, pigmented block or mortar.
Always test to ensure desired results.
Coverage estimates depend on surface texture and porosity.

ALWAYS TEST

ALWAYS TEST a small area of each surface to confirm suitability and desired results before starting overall application. Test with the same equipment, recommended surface preparation and application procedures planned for general application.

Storage and Handling

Store in a cool, dry place away from potential ignition sources. Keep tightly closed when not dispensing. Published shelf life assumes upright storage of factory-sealed containers in a dry place. Maintain temperature of 45–100°F (7–38°C). Do not double stack pallets. Dispose of unused product and container in accordance with local, state and federal regulations.

APPLICATION

Before use, read "Preparation" and "Safety Information."

ALWAYS TEST each type of surface for suitability and results before overall application. Test using the following application instructions. Let test dry thoroughly before inspection.

Dilution

Use in concentrate. Do not dilute or alter. Stir thoroughly before use. Keep container tightly sealed until ready to use.

Once opened, Blok-Guard® & Graffiti Control must be used immediately.

Blok-Guard® & Graffiti Control

Application Instructions

Lightweight block and extremely porous masonry will need 2 coats. See "Second Coat Application."

Sprayer Application

1. Saturate, "wet-on-wet" spraying from the bottom up. Avoid excessive overlapping.
   For heavily textured and porous surfaces, apply enough material to create 6–8" rundown below the contact point.
   For dense, smooth surfaces, apply enough in a single saturating application. Back roll all runs and drips for a uniform appearance. Do not over apply. Over application may cause unacceptable color change. One application is normally enough. Always test.

NOTE: When spray applying to fluted architectural block, spray in an "overlapping X pattern" for complete coverage of recessed surfaces.

2. Let first application penetrate masonry surface for 2 to 3 minutes.
   For heavily textured and porous surfaces, reapply in same saturating manner to ensure complete coverage of recessed surfaces.
3. Immediately brush out runs and drips to prevent build up.

Brush or Roller Application

Thoroughly saturate the surface. Avoid excessive overlapping. Brush-out runs and drips to prevent buildup.

Dense Surface Application

Apply a single coat. Use enough Blok-Guard® & Graffiti Control to completely wet the surface without creating drips, puddles or rundown. Do not over apply. Test for application rate.

Second Coat Application

Some surfaces may need 2 coats of Blok-Guard® & Graffiti Control for maximum graffiti protection. Apply the second coat as soon as the first coat is dry to touch, or within 2 hours of the first coat. Allowing more than 2 hours between coats reduces effectiveness of second coat.

Wood Application

Saturate to the point of rejection. Let first application penetrate 2–3 minutes. Reapply in the same saturating manner. (Not appropriate for horizontal wood.)

Drying Time

In normal weather (60–80°F; [16–27°C] 50% humidity), Blok-Guard® & Graffiti Control dries to touch in about 25 minutes. Drying takes longer at lower temperatures.

Blok-Guard® & Graffiti Control gains its water-repellency properties in 24 hours. Protect treated surfaces from rain for at least 4–6 hours after application.

Cleanup

Clean tools and equipment immediately with mineral spirits or an equivalent cleaning solvent. Remove over spray and spills as soon as possible.

Graffiti Removal

Remove most types of graffiti with PROSOCO's Defacer Eraser® Graffiti Wipe or Enviro Klean® SafStrip®. See product literature or call Customer Care at 800-255-4255.

BEST PRACTICES

Surface should be clean, dry and absorbent before application.

Clean soiled surfaces with the appropriate Sure Klean® or Enviro Klean® cleaner before application. Call Customer Care toll-free at 800-255-4255 for recommendations.

Preferred method of application is low-pressure spray equipment (<50 psi). Use a fan-type spray tip and adjust pressure to avoid atomization of the material.

Apply evenly. Saturate the surface, but do not over apply. Brush out runs and drips on dense surfaces.

A second application may be needed on highly porous surfaces such as some concrete block. Wait until the first coat is dry to the touch before applying a second coat.

ALWAYS TEST for best coverage rates and to confirm results before overall application. Test using the application instructions included herein. Let the test area dry thoroughly before inspection.

Never go it alone. If you have problems or questions, contact your local PROSOCO distributor or field representative. Or call PROSOCO technical Customer Care, toll-free at 800-255-4255.

SAFETY INFORMATION

Sure Klean® Weather Seal Blok-Guard® & Graffiti Control is a solvent carried product and may cause symptoms typical with organic solvent exposures. This is a combustible material. Use appropriate ventilation, safety equipment and job site controls during application and handling. Read the full label and MSDS for precautionary instructions before use.

First Aid

Ingestion: If swallowed, call a physician immediately. ASPIRATION HAZARD: Do not induce vomiting or give anything by mouth. Only induce vomiting at the instructions of a physician. If vomiting occurs, keep head below waist to prevent entry of liquid into lungs.

Eye Contact: Rinse eyes thoroughly for 15 minutes. Get medical assistance if irritation persists.

Skin Contact: Rinse thoroughly with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.

Inhalation: Remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get immediate medical attention.

24 Hour Emergency Information:
INFOTRAC at 800-535-5053

WARRANTY

The information and recommendations made are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application of our products, nor anticipate every variation encountered in masonry surfaces, job conditions and methods used. The purchasers shall make their own tests to determine the suitability of such products for a particular purpose.

PROSOCO, Inc. warrants this product to be free from defects. **Where permitted by law, PROSOCO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose**. The purchaser shall be responsible to make his own tests to determine the suitability of this product for his particular purpose. PROSOCO's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which defective product has been applied. Acceptance and use of this product absolves PROSOCO from any other liability, from whatever source, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of PROSOCO, its distributors or dealers.

CUSTOMER CARE

Factory personnel are available for product, environment and job-safety assistance with no obligation. Call 800-255-4255 and ask for Customer Care - technical support.

Factory-trained representatives are established in principal cities throughout the continental United States. Call Customer Care at 800-255-4255, or visit our web site at www.prosoco.com, for the name of the Sure Klean® Weather Seal representative in your area.

MATERIAL SAFETY DATA SHEET

PROSOCO, Inc.

I PRODUCT IDENTIFICATION

MANUFACTURER'S NAME AND ADDRESS: PROSOCO, Inc.
3741 Greenway Circle
Lawrence, KS 66046

EMERGENCY TELEPHONE NUMBERS:
8:00 AM – 5:00 PM CST Monday-Friday: 785/865-4200
NON-BUSINESS HOURS (INFOTRAC): 800/535-5053

PRODUCT TRADE NAME: Sure Klean® Weather Seal Blok-Guard® & Graffiti Control

II HAZARDOUS INGREDIENTS

CHEMICAL NAME	(COMMON NAME)	CAS NO.	NFPA CODE	ACGIH TLV/TWA	OSHA PEL/TWA
Mineral Spirits	(Petroleum Naphtha)	8052-41-3	2,2,0,-	100 ppm	100 ppm
1,2,4-Trimethyl Benzene	None	108-67-8	2,2,0,-	25 ppm	None

*** Acetic acid vapors form as by-product following hydrolysis reaction with water or humid aid. Observe limits for acetic acid; OSHA PEL: 10 ppm, ACGIH TLV/TWA 10 ppm, STEL 15 ppm.**

III PHYSICAL DATA

	BOILING POINT (°F)	VAPOR PRESSURE (mm Hg)	VAPOR DENSITY (Air = 1)	EVAPORATION RATE (Butyl Acetate = 1)
Mineral Spirits	313-383 °F	2.09 (68°F)	4.73	0.16
1,2,4-Trimethyl Benzene	329°F	2	Unknown	Unknown

	SPECIFIC GRAVITY	SOLUBILITY IN WATER	APPEARANCE AND ODOR
Sure Klean® Weather Seal Blok-Guard®& Graffiti Control	.802	Negligible	Clear liquid, petroleum odor

IV FIRE AND EXPLOSION HAZARD DATA

EMERGENCY OVERVIEW

Sure Klean® Weather Seal Blok Guard® & Graffiti Control is a clear liquid with a petroleum odor. Combustible. Keep away from heat, sparks, flames, or other sources of ignition. Aspiration hazard if swallowed. May cause severe skin irritation.

FLASH POINT (METHOD): 100°F (ASTM D 3278)

FLAMMABLE LIMITS: Not determined.

EXTINGUISHING MEDIA: Foam, dry chemical or CO_2.is recommended. Use caution when applying carbon dioxide in confined spaces. Water spray is recommended to cool or protect exposed containers, materials, or structures. Do not use a direct water stream. Avoid accumulation of water as product will float.

SPECIAL FIRE FIGHTING PROCEDURES: Do not enter confined fire space without proper protective equipment; including a NIOSH/MSHA approved self-contained breathing apparatus. Cool fire exposed containers, surrounding equipment and structures with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and may accumulate in low areas or areas inadequately ventilated. Vapors may also travel along the ground to be ignited at location distant from handling site; flashback of flame to handling site may occur. May create vapor/air explosion hazard indoors, outdoors, or in sewers. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

V HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: Skin, eyes, inhalation.

CARCINOGEN INFORMATION: Not listed (OSHA, IARC, NTP).

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Conditions aggravated may include disorders of the skin, respiratory, and nervous system.

EFFECTS OF OVEREXPOSURE: Overexposure can lead to central nervous system depression producing such effects as headache, dizziness, nausea and loss of consciousness, and even asphyxiation.

EYE CONTACT: Short-term liquid or vapor contact may result in slight eye irritation. Prolonged and repeated contact may be more irritating. Contact may cause stinging, watering, redness and swelling.

SKIN CONTACT: Prolonged and repeated liquid contact can cause defatting and drying of the skin, which may result in skin irritation and dermatitis. Contact may also cause redness and burning of the skin.

INHALATION: High concentrations or prolonged exposure to lower concentrations may be slightly irritating to mucous membranes. Overexposure to vapors may produce central nervous system depression, causing narcosis.

INGESTION: ASPIRATION HAZARD. Liquid ingestion may result in vomiting; aspiration of liquid into the lungs must be avoided as liquid contact with the lungs can result in chemical pneumonitis and pulmonary edema/ hemorrhage.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: If in eyes, flush with large amounts of water for 15 minutes, holding eyelids apart to ensure flushing of the entire eye surface. Get medical attention immediately.

SKIN CONTACT: Wash with soap and water. Remove contaminated clothing and do not reuse until laundered. If persistent irritation occurs, get medical attention.

INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention immediately if symptoms persist after moving victim to fresh air.

INGESTION: Do not induce vomiting even though vomiting may occur. If vomiting occurs, keep head below hips to prevent aspiration of liquid into lungs, which can cause chemical pneumonitis, which can be fatal. Get medical attention.

VI REACTIVITY DATA

STABILITY: Stable, however product does begin to cure upon exposure to air, releasing acetic acid vapors.

CONDITIONS TO AVOID: Heat, sparks, open flame, open air, high humidity, water. PROTECT FROM MOISTURE.

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing materials.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Acetic acid, silicon dioxide, carbon dioxide, carbon monoxide and unidentified organics may be formed during combustion.

VII SPILL OR LEAK PROCEDURES

SPILL, LEAK, WASTE DISPOSAL PROCEDURES: STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Eliminate potential sources of ignition. Wear appropriate respirator and other protective clothing. Shut off source of leak only if safe to do so. Dike and contain to prevent migration to soil, sewers and surface and ground waters. Remove with explosion-proof equipment. Soak up residue with a noncombustible absorbent such as clay or vermiculite; place in drums for proper disposal.

WASTE DISPOSAL METHODS: Dispose of in a facility approved under RCRA regulations for hazardous waste. Containers must be leak-proof and properly labeled. Empty container must be completely drained before disposal in a sanitary landfill (check local restrictions).

VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If Threshold Limit Value (TLV) of any product component is exceeded, wear an approved respirator. NIOSH recommends the use of an air-supplied (air line with remote source) respirator in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure. Prevent overexposure in accordance with 29CFR 1910.134.

VENTILATION: Provide sufficient general and/or local exhaust ventilation to maintain exposure below TLV(s). Use explosion-proof ventilation as required to control vapor concentrations below the TLV(s).

PROTECTIVE CLOTHING: Wear protective clothing as required to prevent skin contact.

PROTECTIVE GLOVES: Wear solvent-resistant gloves, such as nitrile rubber.

EYE PROTECTION: Wear safety glasses with side shields. Chemical splash goggles or a face shield should be used in conditions that may cause splash or mist contact. Do not wear contact lenses because they may contribute to the severity of an eye injury.

OTHER PROTECTIVE EQUIPMENT: Solvent-resistant boots and headgear. Access to a safety shower and eyewash is recommended.

IX SPECIAL PRECAUTIONS

WORK PRACTICES: Proper work practices and planning should be utilized to avoid contact with workers, passersby, and non-masonry surfaces. Do not atomize during application. Beware of wind drift. Over-application may contribute to fume problems. Always follow published application rates. See the Product Data sheet and label for specific precautions to be taken during use. Always bond and ground containers during transfer. Eliminate all sources of ignition, even remote sources, as vapors may travel some distance. Smoking, eating and drinking should be prohibited during the use of this product. Wash hands before breaks and at the end of a shift.

This product will continue to evolve vapor during drying and acetic acid during curing. Continue ventilation as needed during curing.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store away from oxidizing materials in a cool, dry place with adequate ventilation. Keep away from heat and open flames. Keep container tightly closed when not dispensing product.

Wash up with soap and water before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before reuse.

Containers of this material may be hazardous when emptied, since emptied containers retain product residues (vapor, liquid, and/or solid). All hazard precautions given in the Data sheet must be observed.

OTHER PRECAUTIONS: Environmental Hazards - Keep out of surface water and watercourses or sewers entering or leading to surface waters.

X REGULATORY INFORMATION

SHIPPING: For domestic ground shipping, USDOT exempts combustible liquids if under 119 gallons per container. The shipping description is "NON-HAZARDOUS/NON-REGULATED (UNDER 119 GALLONS PER CONTAINER)." Product carries the proper shipping description "**UN1866, Resin Solution, 3, III**" for international transport. Certain container and packaging combinations are restricted in shipment by air and by parcel carriers.

NATIONAL MOTOR FREIGHT CLASSIFICATION: NMFC#33880 Sub 2 Class Rate: 55

SARA 313 REPORTABLE:

CHEMICAL NAME	CAS	UPPERBOUND CONCENTRATION % BY WEIGHT
1,2,4-Trimethyl Benzene	108-67-8	5%

CALIFORNIA PROPOSITION 65: This product is not known to contain any chemical substances which are known to the State of California to cause cancer, birth defects, or other reproductive harm, and therefore, it is not subject to requirements of California Health and Safety Code Section 25249.5.

XI OTHER

MSDS Status:

Date of Revision: February 27, 2008

For Product Manufactured After: N/A No formulary changes

Changes: Updated Regulatory Information Section for proper shipping description for international transport.

Item #: 40093

Approved By: Regulatory Department

DISCLAIMER:

The information contained on the Material Safety Data Sheet has been compiled from data considered accurate. This data is believed to be reliable, but it must be pointed out that values for certain properties are known to vary from source to source. **PROSOCO, Inc. expressly disclaims any warranty expressed or implied as well as any liability for any injury or loss arising from the use of this information or the materials described**. This data is not to be construed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product for his unique application. This data relates only to the specific material designated and is not to be used in combination with any other material. Many federal and state regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize himself with all applicable regulations.

DATE OF PREPARATION: February 27, 2008