

**RFP #24-015**  
**City of Key West, Florida**  
**“Sheet Music Engraving Reworked”**  
**Frederick Douglas Community Center**  
**Committee Review**  
**Original Copy**



**Proposal:**  
**CR Gray Sculptor**  
**Key West, Florida USA**  
[\*\*craig@crgray.com\*\*](mailto:craig@crgray.com)  
**All design concepts**  
**Are property of CRGray LLC**

# C.R. Gray LLC

10 1st Street  
Key West, Florida 33040 USA  
305-432-6856  
craig@crgray.com

October 14, 2024

City of Key West  
RE: Frederick Douglas Community Center  
Public Art Call Finalist  
Elizabeth Young  
Public Art Manager  
1300 White Street  
Key West, Florida 33040

Greetings Ms. Young and the selection committee,

I am honored to have been selected as a finalist for the Douglas Community Center public art project.

Ms. Young, Ms. Wilman, Ms. Salume, and myself were able to conduct a meeting last week to clarify some of the details for the project. With their feedback I was able to rework my proposal for a new space- a single engraving on the outer wall of the handicap ramp. This location faces the walkway between the Douglas Gym and the Douglas Community Center. With the new location I can increase the size of the engraving on the wall, include a third line of music, and add some hand notations from the original sheets.



These adjustments helped reduce the budget. My new proposal is for \$30,000. Unfortunately my original intention of incorporating stone album covers has been deleted because of the reduction in the amount of monies available.

Out of my meeting with stakeholders- we determined it would be best to recognize Ms. Ellen Welters Sanchez, an early female Key West composer, piano teacher, Godmother to many, and mentor with engraved sheet music. There is a very special story I will share with the committee at the AIPP in finding her only known written music and lyrics.

This art commission has the opportunity to share the narrative of Bahama Village, diversity of our Island, with storytelling and music.. I am happy to be considered for the prestigious project in the Florida Keys-my home.

Warm Regards,

A handwritten signature in blue ink, consisting of the letters 'C' and 'G' in a stylized, cursive font.

# C.R. Gray, Sculptor

10 1st Street  
Key West, Florida 33040 USA  
305-432-6856  
craig@crgray.com

Proposed location for "Sheet Music Artwork"- outer handicap wall between Douglas Gym and newly constructed Community Center



# C.R. Gray, Sculptor

10 1st Street  
Key West, Florida 33040 USA  
305-432-6856  
craig@crgray.com

“Sheet Music Artwork”- original composition *The Isle of Key West* by Ellen Welter Sanchez



Description; The bars of sheet music carved into surface of wall, then painted black with a long-lasting Black Lithicrome stone engraving coloring. Original hand notations included in the carving. Dimensions for engraving are roughly 20 feet long and 4 feet tall. Single wall to be engraved estimated budget \$30,000.00

# THE ISLE OF KEY WEST

*ref*  
*add*  
*6-21-48*  
*ref.*

Words and Music by  
ELLEN WELTERS SANCHEZ



*Nordyke* 1948  
MUSIC PUBLICATIONS  
HOLLYWOOD, CALIFORNIA

*With Compliments.*



# THE ISLE OF KEY WEST

Words & Music By  
ELLEN WELTERS SANCHEZ

PIANO

Waltz

C G7 C

Key West, ————— The beau- ti- ful Isle — of Key West, —

Gdim G7 C

— Where trop- i- cal moon — and sun- set, — Will wel- come you

G7 C Gdim G7 C

ev- 'ry day, ————— Key West, —

G7 C

— The beau- ti- ful Isle — of Key West, — Where moon- tides and

g HST (trans. mss. coll.) 2-24-66



Copyright 1948 by NORDYKE PUBLISHING COMPANY  
Hollywood, California

PRINTED IN U. S. A.

ALL RIGHTS RESERVED

Gdim G7 C Gdim G7 C

love can be set, ————— And joy can have full sway, —————

Chorus: B7 C

On the Isle of sweet contentment, —

C7 F G7 C G7 C

Where they never hold resentment, ————— The breeze and the

G7 C Gdim G7

trees, The blue sky and palms growing high, —————

C G7 C

In Key West, ————— The beautiful Isle of Key West, —————

G7 C F G7

With trop- i- cal moon, The lov- ers can spoon on THE ISLE OF KEY

1. WEST. 2. Fine WEST.

F C F C F C G7 C

Fish- ing, spong- ing, plung- ing, all in a day,  
Rain- bows, show- ers, flow- ers, Love- ly to see,

Gdim G7 F C F C F C

Laugh- ing, danc- ing, croon- ing,  
Moon- light, sha- dows cast- ing

G7 C Gdim G7 DS

the time a- way, On the  
all a- round me,

# C.R. Gray LLC

10 1st Street  
Key West, Florida 33040 USA  
305-432-6856  
craig@crgray.com

## **Maintenance Plan for “Sheet Music” engraved:**

- Method of engraving is by creating a rubber sheet mask and sandblasting into the concrete wall. It is similar to how the sidewalk poetry and how a gravestone is carved. The depth will be between 1/4” and 1/2” deep and will not impact the structure of the concrete wall. The lettering is then sprayed with a granite/concrete paint called Lithicrome which has a life span of between 20-35 year. Touch can be done in the future by hand painting with an artist brush (Product data sheet attached)
- Cleaning can be done with pressure washer. Cleaner to use is “Zep- Housing and Siding Pressure wash” or “Simple Green House and Siding Cleaner” . The setting on pressure washer should be 1250-1500 psi and maintain distant of 12”-18” from sculpture.
- If the sculpture is “Tagged” with spray paint by vandals - “Tagaway” product may be used with the standard pressure washer as noted above. (Product data sheet attached)
- Please be aware that if the wall is later repainted the engraving should be masked off to protect from drips and runs of the wall paint. .



## PRODUCT DATA SHEET

# LITHOCHROME® Chemstain® Classic

A chemically reactive stain that etches and permanently colors cementitious surfaces with color effects that are variegated and natural looking.

### PRODUCT DESCRIPTION

LITHOCHROME® Chemstain® Classic is a chemically reactive stain that etches and permanently colors cementitious surfaces with color effects that are variegated, mottled, and natural looking. Application requires a complex multistep process and should only be attempted by experienced contractors and artisans. LITHOCHROME® Chemstain® Classic can be left uncoated to simulate natural stone, or sealed with a polymeric topcoat to develop dramatic increases in color depth and intensity.

### USES

Use to create permanent and uneven decorative artistic effects on interior or exterior cementitious hardscapes including floors, walls, stairs, ramps, pools, ponds, precast structural pieces, rock simulations, statues, or other concrete objects.

Different stain and sealer combinations will develop very different visual effects. Low solids water based sealers can be used to create concrete rock features that lose their commonplace appearance and assume a rich, natural beauty. High solids water based or solvent based acrylic, epoxy, or polyurethanes can be used to develop dramatic jewel tones made to look like polished marble, leather, metal, wet sand deposits, or richly stained wood. Examples of variations in final result can be found at [www.scofield.com](http://www.scofield.com).

### PRODUCT INFORMATION

#### Chemical Base

A corrosive, acidic, solution of metallic salts. FOR PROFESSIONAL USE ONLY.

Product Data Sheet  
LITHOCHROME® Chemstain® Classic  
March 2020, Version 01.02  
020815110010000012

|                           |   |                   |                  |                      |                         |                     |                        |
|---------------------------|---|-------------------|------------------|----------------------|-------------------------|---------------------|------------------------|
| <b>Packaging</b>          | 1-gallon (3.8 L) containers.  |                   |                  |                      |                         |                     |                        |
| <b>Appearance / Color</b> | <p>LITHOCHROME® Chemstain® Classic is available in the six standard colors below and shown on Scofield's Color Chart A-412 LITHOCHROME® Chemstain® Classic. Because the stain is reactive with the surface, final color produced is unique to each surface and will be influenced by surface composition. Color depth will depend upon the type of sealer selected. Colors shown on the chart are results from application onto pre wet smooth troweled concrete made with gray cement, allowed to dry, neutralized, and sealed with SCOFIELD® Cureseal-W™.</p> <table border="1"> <tr> <td>CS-11 Fern Green*</td> <td>CS-2 Padre Brown</td> </tr> <tr> <td>CS-13 Copper Patina*</td> <td>CS-12 Weathered Bronze*</td> </tr> <tr> <td>CS-15 Antique Amber</td> <td>CS-16 Faded Terracotta</td> </tr> </table> <p>* indicates colors that are only suitable for interior dry conditions.</p> | CS-11 Fern Green* | CS-2 Padre Brown | CS-13 Copper Patina* | CS-12 Weathered Bronze* | CS-15 Antique Amber | CS-16 Faded Terracotta |
| CS-11 Fern Green*         | CS-2 Padre Brown  |                   |                  |                      |                         |                     |                        |
| CS-13 Copper Patina*      | CS-12 Weathered Bronze*   |                   |                  |                      |                         |                     |                        |
| CS-15 Antique Amber       | CS-16 Faded Terracotta  |                   |                  |                      |                         |                     |                        |
| <b>Shelf Life</b>         | 2 years from the date of manufacture.   |                   |                  |                      |                         |                     |                        |
| <b>Storage Conditions</b> | Store closed, upright, and only in original containers below 120°F (49°C).  |                   |                  |                      |                         |                     |                        |

## APPLICATION INSTRUCTIONS

### Coverage Rates

Coverage will vary widely depending on the porosity and texture of the surface, composition and age of the concrete, surface preparation and application technique. Typical coverage rates are 200–300 square feet per gallon (4.9–7.4 m<sup>2</sup>/L). For deep or high intensity effects, a second application should be performed.

### EQUIPMENT

LITHOCHROME® Chemstain® Classic is corrosive. Read and understand this entire document and the product SDS before using this product. Always wear personal protective equipment when handling or using this product. If using spray equipment, always wear protective respirator, and mask adjacent areas to protect property from overspray. Never use high pressure spray equipment.

Stain can be applied using acid-resistant garden type pump sprayer with a conical tip, then worked into the surface with soft nylon brushes, mops, or lamb wool applicators. Avoid stiff bristles that can flick stain onto unwanted areas. An additional sprayer, mop and pail will be needed to apply and remove neutralizing or rinsing solutions. An industrial vacuum can be used to remove neutralized rinse water.

### SURFACE PREPARATION

Surfaces to be stained must be free of evaporation or surface retarders, concrete curing compounds, form release, coatings, sealers, oils, waxes, or any other material that might prevent stain from penetrating the surface. Concrete must be a minimum of 14 days old, and readily absorb sprayed water. Power wash, or scrub surfaces with rotary equipment or stiff bristle brushes

and pH neutral detergents to clean surfaces or remove any laitance that does not allow for the easy absorption of water. Do not clean surfaces to be stained with acids or detergents that can chemically etch the surface. Older or weathered concrete can be difficult to chemically stain. Test small areas to ensure surfaces are reactive. If reactivity is low, neutralization will be needed as indicated in the application section.

### APPLICATION

#### Factors Influencing Final Color & Appearance

The final color and appearance will be influenced by the concrete age, composition, technique used to finish the concrete, and application technique. Application to undisturbed slabs will be more paint like. Application to slabs with the top paste layer removed will be grainier. Variations in concrete finishing will become color swirls and variegations. Stain application to dry or wet surfaces will alter color development, as will the amount of stain applied and the amount of effort used to work stain into the surface. Take care not to over apply or overwork stain into the surface, or color may not remain after rinsing,

#### Jobsite Test Sections

Verify and approve suitability and appearance by making jobsite test sections prior to general application. Apply each chemical stain color onto each type and age of concrete or topping surface, and use each sealer technique that is to be used. Test sections must be of adequate size to be representative and be produced by the same workers who will apply product to the larger job. Test completed systems for wet and dry slip resistance to ensure they are safe. Do not proceed with products, techniques, or finishing systems that do not meet required safety specifications or site owner approval.

## Stain Application

Chemical stain is permanent. Mask all areas not to be stained to safeguard against splashes, overspray, and runoff from application, neutralization, or residue removal. Only work in a well ventilated area. Wear all required safety equipment. Keep a five gallon pail of water with 1 pound of baking soda added to neutralize spills or accidental contact. Take care not to allow tape adhesive to interfere with surfaces to be stained.

**The following 8 steps have proven successful for floors in a wide range of conditions.**

### 1. Optional Pre-wetting of surface.

Many artisans prefer to pre-wet the concrete prior to stain application. This maximizes color penetration and variegations. Spray clean water to saturate the concrete surface. Remove puddles by spreading water or soaking up with a clean mop. The surface should now be cool, damp to the touch, yet not allow a towel to readily absorb water.

**2. Apply the LITHOCHROME® Chemstain® Classic.** This can be done with an acid resistant low pressure garden sprayer, mop or broom. Apply in a circular motion to just saturate the surface. LITHOCHROME® Chemstain® Classic should fizz or effervesce when it first comes in contact with the concrete.

**3. Immediately work in stain.** Use a foam, lamb's wool, or soft nylon bristle broom working in circular motions to avoid the creation of lap marks. Do not walk on recently stained areas or footprints will result.

**4. Allow surfaces to dry.** This will take about 4 hours depending on weather conditions and water used in step 1.

**5. Apply a second coat if desired and allow it to dry.**

**6. Neutralize the surface:** Use a solution of 1 pound of baking soda per 5 gallons of water. Apply this with a clean garden sprayer. Move neutralization liquid across the surface with a wet mop or soft broom in a circular motion. Neutralization is complete when surfaces are saturated and no effervescence is seen.

**7. Remove pigment residue.** Use a soft broom or mop and a wet-dry vacuum moving in circular motions to avoid creating lap lines. Rinse surfaces until all easy to remove residue is removed. If a second complimentary color is to be used, apply it at this stage. Failure to remove all residue prior to sealing the surface can cause loss of adhesion, peeling, or reduced sealer durability. When complete, little to no residue should appear after rubbing with a clean cloth.

**8. Allow to dry and apply sealers/topcoats as desired.**

**For Vertical Applications:** Apply by garden sprayer consistently from the bottom up or the top down. Brush out drips immediately. Allow to dry at least 4 hours before neutralization and rinsing. Seal if desired.

## CLEANING OF TOOLS

Clean equipment with water and baking soda solution to neutralize residual stain. Rinse with clear water.

Product Data Sheet  
LITHOCHROME® Chemstain® Classic  
March 2020, Version 01.02  
020815110010000012

## AVAILABILITY/WARRANTY

### Availability

Scofield offers a complete line of engineered systems for coloring, texturing, and improving performance of architectural concrete. These include coloring admixtures, color hardeners, colored cementitious toppings, stains, curing compounds, sealers, coatings, repair products and texturing tools. Visit the Scofield website at [www.scofield.com](http://www.scofield.com) for further information.

## BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

## OTHER RESTRICTIONS

See Legal Disclaimer.

## ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887. VOC = 0 g/l.

## LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](http://usa.sika.com) or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf

life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.

**Sika Corporation**

201 Polito Avenue  
Lyndhurst, NJ 07071  
Phone: +1-800-933-7452  
Fax: +1-201-933-6225  
[usa.sika.com](http://usa.sika.com)

**Sika Mexicana S.A. de C.V.**

Carretera Libre Celaya Km. 8.5  
Fracc. Industrial Balvanera  
Corregidora, Queretaro  
C.P. 76920  
Phone: 52 442 2385800  
Fax: 52 442 2250537



**Product Data Sheet**

LITHOCHROME® Chemstain® Classic  
March 2020, Version 01.02  
020815110010000012

LITHOCHROMEChemstainClassic-en-US-(03-2020)-1-2.pdf



**SAFETY DATA SHEET SDS: TAGAWAY®****Section 1—Identification****Product Identifier:** TAGAWAY®**Product Use:** Graffiti Removal Liquid for Painted and Smooth Surfaces, Biodegradable, VOC Compliant.**Manufacturer's Name:** Equipment Trade Service Co. Inc.**Address:** 20 East Winona Avenue Norwood, PA 19074 USA**24 Hour Emergency Telephone:** ChemTel 800-255-3924**General Telephone:** 1-610-583-7657 8 AM— 4 PM EST. M—F**Website:** www.etscompany.com**Section 2—Hazard's Identification****Classifications:** Skin Irritation Category 2, Eye Irritation Category 2B, Reproduction Toxin Category 2 (See Section 11) Flammable Liquid Category 3 ( Although will not sustain flame, See notes, sections 5, 9)**Symbols:** Flame, Health Hazard**Signal Word:** Warning**Hazard Statement:** Causes skin irritation. Causes eye irritation. Suspected of damaging the unborn child. Flammable, Liquid and vapor. ( Although will not sustain flame, See notes, sections 5, 9)**Precautionary Statements:****Prevention:** Wear protective impervious gloves and clothing /eye protection/face protection. Wash hands thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. No Smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.**Response:** In case of fire use CO2, Dry Chemical, Foam, Water Spray. If on skin or hair: Wash with plenty of water and bar soap. If skin irritation occurs: Get medical advice / attention. Take off contaminated clothing and wash before reuse. 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 exposed or concerned: Get medical advice / attention**Storage:** Store in a well ventilated place. Keep cool. Store locked up.**Disposal:** Dispose of contents / container in accordance with local, state, federal and international regulations.**Environmental:** Biodegradable**NFPA Rating:**

0=Safe, 4=Danger; Health (Blue) 1 Flame (Red) 1 React (Yellow) 0 Special (White) 0

**Section 3—Composition / Information on Ingredients**

| Component                      | CAS#     | % By Weight |
|--------------------------------|----------|-------------|
| 1-Methyl-2-Pyrrolidinone (NMP) | 872-50-4 | 20—30       |

In compliance with OSHA HCS and UN GHS, Trade Secret / Confidential business information has been omitted.

**Section 4—First Aid Measures****Inhalation:** Unusual exposure to mist will irritate respiratory system. Move person to fresh air.**Eyes:** Contact will cause irritation. Continually flush with water remove contact lenses if present and easy to do. If irritation persists seek medical attention.**Skin:** Contact may cause skin irritation. Remove contaminated clothing, flush skin with water and bar soap for 15 minutes**Ingestion:** Swallowing may cause irritation to mouth, throat and digestive system, or cause vomiting and diarrhea. If swallowed, wash mouth, seek immediate medical attention. Call poison Control. Do not induce vomiting unless directed to do so by medical personnel.**Always seek medical attention if complications develop.****Section 5—Fire Fighting Measures****Note: Product will not sustain combustion, burning or flame per ASTM D4206****Suitable Extinguishing Media:** CO2, Dry Chemical, Foam, Water Spray**Unsuitable Extinguishing Media:** None Known**Unusual Fire & Explosion Hazards:** May produce toxic fumes of carbon monoxide if burning. Empty containers may contain residue. Do not pressurize, cut, heat, or expose containers to flame.**Special Protection & Procedures:** Cool fire-exposed containers. Do not enter confined fire space without proper protective equipment including NIOSH approved self-contained breathing apparatus.**Section 6—Accidental Release Measures****Personal Precautions:** Keep unnecessary people away; isolate area and deny entry. Stay upwind. Do not eat, drink or smoke while cleaning up. (Also see section 8).**Protective Equipment: EYES:** Chemical Safety goggles and or face shield **SKIN:** Gloves, Nitrile or PVC, waterproof boots, waterproof clothing. Keep personal water rinse near by **RESPIRATORY:** Chemical mist respirator in poorly ventilated areas.**Emergency Procedures:** Use appropriate safety equipment. Eliminate sources of ignition. Collect and contain all spill with absorbent material for disposal. Cover drains. Contain large spills and pump into suitable tank for disposal.**Waste Disposal methods:** Obey all local, state and federal regulations.**Section 7—Handling and Storage****Precautions & Conditions for Safe Handling:** Wear impervious gloves. Do not get in eyes, on skin or on clothing. Keep container closed when not in use. Do not mix with other chemicals. Avoid

breathing mist. No eating, drinking or smoking. Wash hands after use. Store in a well ventilated place. Keep cool. Do not store near open flame or heat. Do not store near incompatible materials. Do not take internally. Transfer material only to approved, properly labeled containers. KEEP OUT OF REACH OF CHILDREN.

**Incompatible Materials:** Strong acids, alkalis and oxidizers.**Section 8— Exposure Controls/ Personal Protection**

| Exposure Limits                | OSHA<br>PEL   | ACGIH<br>TLV  | Other     |
|--------------------------------|---------------|---------------|-----------|
| 1-Methyl-2-Pyrrolidinone (NMP) | Not Available | Not Available | Not Known |

**Ventilation:** Local & mechanical recommended**Personal protective equipment (PPE): EYES:** Chemical Safety goggles and or face shield **SKIN:** Gloves, Nitrile or PVC, waterproof boots, waterproof clothing. Keep personal water rinse near by **RESPIRATORY:** Chemical mist respirator in poorly ventilated areas.

**Section 9—Physical and Chemical Properties**

**Appearance / Color:** Liquid, yellow  
**Odor:** Mild  
**pH:** Not Applicable  
**Melting Point:** Does Not Apply  
**Freezing Point:** Less than –10 Degrees F.  
**Boiling Point:** Not Available  
**Flash Point:** 126 Degrees F. Closed Cup ASTM 56 **Note:** Product will not sustain combustion, burning or flame per ASTM D4206, therefore ships Not Hazardous.  
**Evaporation Rate:** Not Available  
**Lower Flammable Limit:** Not Available  
**Upper Flammable Limit:** Not Available  
**Vapor Pressure:** Not Available  
**Vapor Density:** Not Available  
**Relative Density / Specific Gravity:** 1.01 gm/ml  
**Solubility(ies):** Emulsifies with water.  
**Partition Coefficient: n-octanol/water** Not Available  
**Auto-ignition Temperature:** Not Available  
**Decomposition Temperature:** Not Available  
**Viscosity:** Thin Liquid  
**V.O.C. Content:** Less than 30% by weight.

**Section 10—Stability and Reactivity**

**Reactivity:** Not available / none known  
**Chemical Stability:** No decomposition, if handled and stored according to specifications.  
**Possibility of hazardous reactions:** Avoid incompatible materials.  
**Conditions to avoid:** Heat, sparks, flame.  
**Materials to avoid:** Strong acids, alkalies and oxidizers.  
**Hazardous decomposition products:** May produce toxic fumes of carbon monoxide if burning. Empty containers may contain residue. Do not pressurize, cut, heat, or expose containers to flame.

**Section 11—Toxicological Information**

**Signs and symptoms of overexposure:**

**Acute Effects:**

**Inhalation:** Exposure to mist may irritate respiratory system.

**Eyes:** Contact will cause irritation.

**Skin:** Contact may cause skin irritation.

**Ingestion:** Swallowing will cause irritation to mouth, throat and digestive system.

**Target Organ Effects:** None are known

**Chronic Effects:** None are known

**Carcinogenicity:** None are known

**Germ Cell Mutagenicity:** None are known

**Reproductive Toxicity:** Some studies of ingredient NMP (CAS#872-50-4) found detrimental fetal effects in lab animals. The US CDC, OSHA and the European Union ECHA classify ingredient NMP as "Possible" human reproductive hazard. The US EPA is reassessing the NMP health hazards due to ambiguous findings.

California Proposition 65 requires the following, Warning: This product contains a chemical known to the state of California to cause birth defects.

**Medical Conditions Aggravated by Exposure:** Not Known

**Section 12—Ecological Information**

**Persistence and degradability:** All components contained in the product are classified as "readily biodegradable". This product is expected to be inherently biodegradable.

**Bio-accumulative potential:** There is no evidence to suggest bioaccumulation will occur.

**Section 13—Disposal Considerations**

Obey all local, state, federal and international regulations.

**Section 14—Transportation Information**

U.S. Department of Transportation (DOT)

**UN/NA Number:**

**Proper Shipping Name:** Not Hazardous

**Hazard Class:**

**Packing Group:**

**Labels Required:**

U.S. / Canada Emergency Response Guide #:

International Maritime Organizations (IMDG)

**UN/NA Number:**

**Proper Shipping Name:** Not Hazardous

**Hazard Class:**

**Packing Group:**

**Labels Required:**

**Section 15—Regulatory Information**

[WHMIS Classification]:

[OSHA]:

[SERA]:

[TSCA]:

**Section 16—Other Information**

**Date SDS Prepared:** May 1st 2015 **Revised:** May 1st 2024

The information in this SDS was obtained from sourced which we believe to be reliable. However, the information is provided without any warranty, expressed or implied. We do not assume responsibility and expressly disclaim liability for loss, damage or expense rising out of, or in any way connected with the handling, storage, use or disposal of the product. This SDS may not be applicable if the product is used as a component of another product.

Prepared in accordance with the OSHA Hazard Communication Standard (HCS) to conform with the United Nations (UN) Globally Harmonized System of Classification and Labeling of Chemical (GHS)