SAFETY DATA SHEET

Date Prepared : 04/09/2015
MSDS No : 11720047_N78002
Date-Revised : 09/28/2017
Revision No : 3

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: PROSEAL COPPER XS SLCN 3 OZ(12)

MANUFACTURER

Pacer Technology
3281 E. Guasti Rd., Suite 260
Ontario, CA 91761
Emergency Contact: CHEMTREC
Emergency Phone: 800-424-9300
Alternate Emergency Phone: 703-527-3887
Product Stewardship: 909-987-0550

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Flammable Liquids, Category 4
Skin Irritation, Category 2
Eye Irritation, Category 2A
Skin Sensitization, Category 1
Carcinogenicity, Category 2

GHS LABEL ELEMENTS

Note: If this product is a consumer product it is labeled in accordance with the Consumer Product Safety Commission regulations and not OSHA regulations. The requirements for the labeling of consumer products take precedence over OSHA labeling so the actual product label will not contain the OSHA label elements shown below on this SDS.


Exclamation mark


Health hazard

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H227: Combustible liquid.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H351: Suspected of causing cancer.

PRECAUTIONARY STATEMENT(S)

Prevention:

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

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P264: Wash skin and hands thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P281: Use personal protective equipment as required.

Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P308+P313: IF exposed or concerned: Get medical advice/ attention.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P362: Take off contaminated clothing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment for extinction.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.

Disposal:

P501: Dispose of contents/container to an approved waste disposal plant.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Copper colored paste, Blue Paste

IMMEDIATE CONCERNS: Not Applicable.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye irritation.

SKIN: Causes skin irritation.

SKIN ABSORPTION: Causes irritation to skin.

INGESTION: No data available.

INHALATION: No data available.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: No data available.

TERATOGENIC EFFECTS: No data available.

CARCINOGENICITY: Cancer hazard.

MUTAGENICITY: No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Dimethyl siloxane, hydroxy-terminated	25 - 50	70131-67-8
Methyl Oximino Silane	2 - 5	22984-54-9
3-AMINOPROPYLTRIETHOXYSILANE	0 - 1	919-30-2
Vinyl Oximino Silane	0 - 1	2224-33-1

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Carbon black	< 1	1333-86-4

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Thoroughly wash or discard clothing and shoes before reuse.

INGESTION: If swallowed, do not induce vomiting. If conscious and alert, give two glasses of water. Seek medical attention.

INHALATION: Remove to fresh air. Consult a physician after significant exposure.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Immediately flush eyes with plenty of water. Remove contact lenses if possible. Get medical attention, if irritation persists.

SKIN: Avoid contact with skin and eyes. Wash thoroughly after handling.

SKIN ABSORPTION: Avoid contact with skin and eyes. Wash thoroughly after handling.

INGESTION: If swallowed, do not induce vomiting. If conscious and alert, give two glasses of water. Seek medical attention.

INHALATION: Remove to fresh air. Consult a physician after significant exposure.

ACUTE EFFECTS: Not Available

CHRONIC EFFECTS: Not Available

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not Flammable

EXTINGUISHING MEDIA: Carbon Dioxide (CO2)

EXPLOSION HAZARDS: None known.

FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus. Water may be unsuitable as an extinguishing medium, but is helpful in keeping adjacent containers cool.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

FIRE EXPLOSION: None known.

SENSITIVE TO STATIC DISCHARGE: None known.

SENSITIVITY TO IMPACT: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products - carbon oxides and traces of incompletely burned carbon compounds, silicon dioxide, formaldehyde.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Use personal protective equipment. Deny access to unprotected persons. Do not flush into surface water or sanitary system. If the product contaminates rivers and lakes or drains, inform respective authorities. Local authorities should be advised if significant spillages cannot be contained.

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

LARGE SPILL: Scrape up and contain for disposal. Spilled material may present a slip hazard. Final cleaning may require steam, solvents or detergents; absorb and dispose of properly.

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ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not empty into drains; dispose of this material and its container in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

LAND SPILL: Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

AIR SPILL: Clean Air Act

Ozone-Depletion Potential: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S Clean Air Act Section B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S Clean Air Act Section 112 (r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

SPECIAL PROTECTIVE EQUIPMENT: Use personal protective equipment

7. HANDLING AND STORAGE

HANDLING: Do not breathe Vapors or spray mist. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products.

STORAGE: Store in original container. Keep in a well-ventilated place. Observe label precautions. Store in accordance with local regulations.

STORAGE TEMPERATURE: Ambient room temperature (70F/21C).

LOADING TEMPERATURE: No data available on this product.

LOADING/UNLOADING VISCOSITY: Not Available

STORAGE PRESSURE: Not Available

ELECTROSTATIC ACCUMULATION HAZARD: Not Available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
	EXPOSURE LIMITS			
Chemical Name	**Type**		**ppm**	**mg/m³**
Methyl Oximino Silane	**ACGIH TLV**	**TLV**	NA	NA
	OSHA PEL	**PEL**	NA	NA
Vinyl Oximino Silane	**ACGIH TLV**	**ACGIH**	N/A	N/A
	OSHA PEL	**PEL**	N/A	N/A
Carbon black	**OSHA PEL**	**TWA**		3.5
	ACGIH TLV	**TWA**		3.5

ENGINEERING CONTROLS:

Carbon black: CAS-No 1333-86-4. Basis is ACGIH and Value is TWA. Exposure limit(s)*/Form of exposure is 3.5 mg/m3.

Other Basis is OSHA Z-1 and OSHA P0. Other Exposure limit(s)*/Form of exposure is 3.5 mg/m3.

Use of Adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The Engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

SKIN: Choose body protection based on the type, to the concentration and amount of dangerous substances, and to the specific work-place

RESPIRATORY: Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

PROTECTIVE CLOTHING: Avoid contact with clothing.

WORK HYGIENIC PRACTICES: Wash hands before breaks and immediately after using the product. Remove respiratory and skin/eye protection only after vapors have been cleared from the area. Remove contaminated clothing and protective equipment before entering areas that contain food. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Paste

ODOR: Mild Musty

ODOR THRESHOLD: Not Available

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APPEARANCE: Paste

COLOR: Copper paste

pH: Not Applicable

PERCENT VOLATILE: 37 g/L

FLASHPOINT AND METHOD: ≥ (194°F) CC - Closed Cup

FLAMMABLE LIMITS: Not Available to Not Available

AUTOIGNITION TEMPERATURE: Not Determined

VAPOR PRESSURE: Not Established

VAPOR DENSITY: Not Established

BOILING POINT: Not established

FREEZING POINT: Not established

MELTING POINT: Not established

POUR POINT: Not established

THERMAL DECOMPOSITION: Not established

SOLUBILITY IN WATER: Insoluble

EVAPORATION RATE: Not established

DENSITY: ≥ ca.1.39 g/cm3 at 23°C (73°F)

SPECIFIC GRAVITY: None known

VISCOSITY: Kinematic Viscosity: >20.5 mm2/s at 104 F (40 C)

(VOC): ≥ 37 g/L

OXIDIZING PROPERTIES: This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable

CONDITIONS TO AVOID: Stable under recommended storage conditions. Avoid extremes of temperature and direct sunlight.

POSSIBILITY OF HAZARDOUS REACTIONS: Not Applicable.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Applicable.

INCOMPATIBLE MATERIALS: Not Available

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD_{50}: No data available.

Notes: Not Applicable.

ORAL LD_{50}: > 8000 mg/kg (rat)

Notes: Prevent contamination of soil, drains and surface waters. Dike and contain material. Soak up residue with absorbent

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(clay, sand) materials and dispose of properly.

INHALATION LC_{50}: Not Applicable.

Notes: Not Applicable.

NOTES: No data available.

SKIN CORROSION/IRRITATION: Causes irritation to skin.

SERIOUS EYE DAMAGE/IRRITATION: Causes skin and eye irritation.

RESPIRATORY OR SKIN SENSITISATION: Causes skin irritation. Allergic reactions are possible.

GERM CELL MUTAGENICITY: No data available.

CARCINOGENICITY

IARC: Group 2B: Possibly carcinogenic to humans. Carbon black 1333-86-4

NTP: Not Applicable.

OSHA: None known

NOTES: Not Applicable.

REPRODUCTIVE TOXICITY: No data available

STOT-SINGLE EXPOSURE: No data available.

STOT-REPEATED EXPOSURE: No data available.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Do not empty into drains; dispose of this material and its container in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

ECOTOXICOLOGICAL INFORMATION: Component:

Carbon black 1333-86-4

Toxicity to fish: LC50

Species: Brachydanio rerio

Dose: >1,000 mg/l

Exposure time: 96h

BIOACCUMULATION/ACCUMULATION: No data available

DISTRIBUTION: Not Applicable.

AQUATIC TOXICITY (ACUTE): No data available.

CHEMICAL FATE INFORMATION: Not Applicable.

GENERAL COMMENTS: Not Applicable.

COMMENTS: Not Applicable.

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13. DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL: Disposal Methods

Waste from residues: Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

EMPTY CONTAINER: Dispose of following all Local Authority requirements for disposal.

RCRA/EPA WASTE INFORMATION: Not Available

RCRA HAZARD CLASS: Not Applicable.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not restricted

NOTE: Not dangerous goods.

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not restricted

AIR (ICAO/IATA)

SHIPPING NAME: Not restricted

NOTE: Not dangerous goods

VESSEL (IMO/IMDG)

SHIPPING NAME: Not restricted

NOTE: Not dangerous goods.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not restricted

COMMENTS: Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not Applicable

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Acute Health Hazard, Chronic Health Hazard, Fire Hazard.

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (de Minimis) reporting levels established by SARA, Title III, Section 313.

TITLE III NOTES: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: None known

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: This material does not contain any components with a section 304 EHS RQ.

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TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Dimethyl siloxane, hydroxy-terminated	70131-67-8
Methyl Oximino Silane	22984-54-9
3-AMINOPROPYLTRIETHOXYSILANE	919-30-2
Vinyl Oximino Silane	2224-33-1
Carbon black	1333-86-4

TSCA STATUS: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

CALIFORNIA PROPOSITION 65: WARNING: This product can expose you to chemicals including Carbon Black, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Chemical Name	Wt.%	Listed
Carbon black	< 1	Cancer

CANADA

WHMIS CLASS: Not hazardous.

GENERAL COMMENTS: EPCRA - Emergency Planning and Community Right-to-know

SARA 304 Reportable Quantity: This material does not contain any components with a section 304 EHS RQ

Clean Air Act

Ozone-Depletion Potential: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112 (r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

16. OTHER INFORMATION

APPROVED BY: Pacer Technology Regulatory Department

PREPARED BY: Pacer Technology Regulatory Department **Date-Revised:** 09/28/2017

REVISION SUMMARY: This MSDS replaces the 05/05/2015 MSDS. Revised: **Section 1:** APPROVED BY, MSDS No, PREPARED BY, TITLE. **Section 2:** . **Section 3:** Wt.%. **Section 15:** CALIFORNIA PROPOSITION 65.

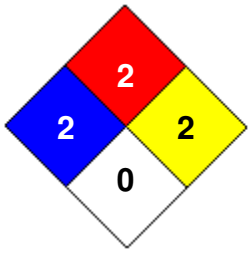
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HMIS RATING

HEALTH	*	2
FLAMMABILITY		2
PHYSICAL HAZARD		0
PERSONAL PROTECTION		x

NFPA CODES



HMIS RATINGS NOTES: Caution: HMIS rating is based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS rating is not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS rating is to be used with a fully implemented HMIS program. HMIS is a registered mark of the National Paint & Coatings Association (NPCA). Please note HMIS attempts to convey full health warning information to all employees.

MANUFACTURER DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. However, Pacer Technology does not assume any liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.