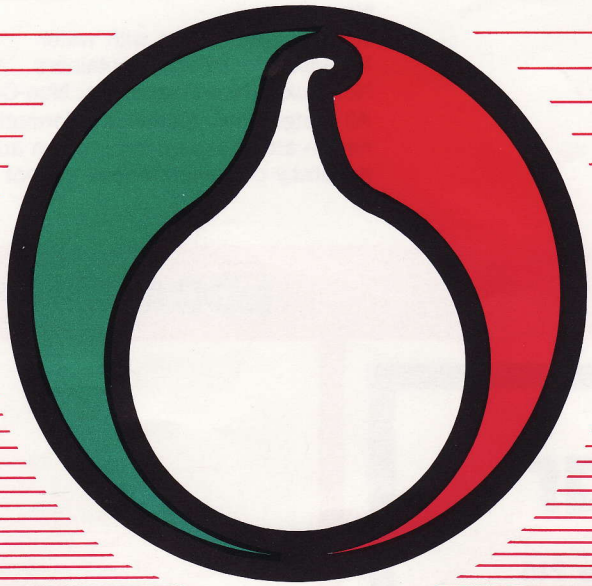
nochar's

P215

THE HEAT BARRIER™



A Thermal Blocking Paste

A **nochar** ENVIRONMENTAL PROTECTION PRODUCT

nochar's P215™

Plumbers, welders, or anyone using a torch can use **nochar's P215** heat barrier paste. **nochar's P215** will minimize direct or radiant heat transfer from the torch to adjoining surfaces.

Asbestos free **P215** can be used on natural or synthetic surfaces adjoining the welding or soldering areas such as PVC drains, wood trim, plastic or vinyl cabinets. Heat sensitive surfaces can be temporarily coated during the soldering process and then easily cleaned by wiping the **P215** off. **P215** is water soluble and therefore can be removed with just a damp cloth.

nochar's Environmental Protection Products include spill control and bonding agents; heat barriers; fire retardant additives for foam manufacturing; fire retardant sealers for flexible and rigid foams, fabrics, and previously-sealed surfaces; and an unique extinguishing system for petroleum-based fires. See your **nochar** representative for additional information.

P215 Fact Sheet

WEIGHT BY VOLUME	½ Gallon equals 70 oz.
SPREAD RATE	¼" or more, depending on protection needed.
SPECIFIC GRAVITY	1.09
PH SPECIFICATIONS	Neutral
STORAGE	Keep container sealed to prevent evaporation; keep from freezing.
VOLATILITY BEFORE USE	None
VOLATILITY AFTER USE	None
DISPOSAL	Water soluble; rinse with water
PACKAGING	½ Gallon resealable containers
TOXICITY	Non-Toxic, Non-Hazardous, Non-Corrosive
NOTICE	All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed.

CONTACT

nochar
Corporate Office
8650 Commerce Park Place
Suite K
Indianapolis, IN 46268
PH:317-613-3046 fax:317- 613-3052
e-mail:nochar@in.net

LOCAL REPRESENTATIVE

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As used on label and list)
P215 TRADE SECRET

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name
NOCHAR, INC.

Emergency Telephone Number
(317) 613-3046

Address *(Number, Street, City, State and ZIP Code)*
8650 COMMERCE PARK PLACE SUITE K
INDIANAPOLIS, INDIANA 46268

Telephone Number for information
FAX: (317) 613-3052

Date Prepared
October 22, 2006

Signature of Preparer ***(optional)***

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
NO HAZARDOUS INGREDIENTS				

Section III - Physical/Chemical Characteristics

Boiling Point	+500°F	**Specific Gravity (H_2O = 1)**	1.09
Vapor Pressure (mm Hg.)	N/A	**Melting Point**	N/A
Vapor Density (AIR = 1)	N/A	**Evaporation Rate (Butyl Acetate = 1)**	N/A
Solubility in Water	NEGLIGIBLE	**Appearance and Odor**	WHITE PASTE, SLIGHT ODOR

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	NONE	**Flammable Limits**	N/A	**LEL**	N/A	**UEL** N/A
Extinguishing Media	N/A					
Special Fire Fighting Procedures	MATERIAL IS VERY SLIPPERY					
Unusual Fire and Explosion Hazards	N/A					

Section V - Reactivity Data

Stability	**Unstable**		**Conditions to Avoid**
	Stable	X	NONE
Incompatibility (Materials to Avoid)			N/A
Hazardous Decomposition or Byproducts	MAY PRODUCE CARBON OXIDES, VARIOUS NITROUS OXIDES AND SOME HCL VAPORS.		
Hazardous Polymerization	**May Occur**		**Conditions to Avoid**
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry: **Inhalation?** **Skin?** X **Ingestion?** X

Health Hazards ***(Acute and Chronic)***
POSSIBLE SLIGHT IRRITATION TO SKIN AND EYES

Carcinogenicity: N/A **NTP?** **IARC Monographs?** **OSHA Regulated?**

Signs and Symptoms of Exposure
POSSIBLE SLIGHT IRRITATION TO SKIN AND EYES

Medical Conditions - Generally Aggravated by Exposure
N/A

Emergency and First Aid Procedures
SKIN CONTACT: WASH WITH SOAP AND WATER. INGESTION: DO NOT INDUCE VOMITING; CONSULT PHYSICIAN. EYE CONTACT: FLUSH EYES WITH WATER, CONSULT PHYSICIAN.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
SPILLS CREATE VERY SLIPPERY CONDITIONS. WIPE UP IMMEDIATELY. MAY BE REMOVED WITH INERT, ABSORBENT MATERIAL AND/OR FLUSHED WITH PLENTY OF WATER THAT HAS BAKING SODA ADDED.

Waste Disposal Method
DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS FOR NON-HAZARDOUS WASTE.

Precautions to Be Taken in Handling and Storing
AVOID CONTACT WITH EYES OR SKIN. STORE IN HEATED AREA DO NOT FREEZE.

Other Precautions
WHEN PRODUCT IS USED IN FIRE FIGHTING, USE NON-SLIP BOOTS AND GLOVES. FIRE FIGHTING GEAR PROVIDES ADEQUATE SKIN AND EYE PROTECTION.

Section VIII - Control Measures

Respiratory Protection (Specify Type)		N/A		
Ventilation	**Local Exhaust**	NOT REQUIRED	**Special**	N/A
	Mechanical (General)	NOT REQUIRED	**Other**	N/A
Protective Gloves	NON- SLIP	**Eye Protection**	GOGGLES	
Other Protective Clothing or Equipment		NON-SKID BOOTS		
Work/Hygienic Practice		NORMAL HYGIENE PRACTICES		

DISCLAIMER: *The information contained herein is based on the data available to us and is believed to be correct. However, the manufacturer makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof, and assumes no responsibility for injury from the use of the product described herein. The manufacturer assumes no liability for incidental, consequential or direct damage of any manner or kind, regardless of cause, including negligence.*

NFPA RTINGS
HEALTH 1
FLAMMABILITY 1
REACTIVITY 1

NOCHAR'S P215
FACT SHEET

APPLICATION:

P215 is a paste used as a heat transfer barrier on all types of surfaces. P215 will minimize direct or radiant heat transfer to adjoining surfaces.

RECOMMENDED APPLICATION RATE:

1/4" or more, depending on protection needed.

SPECIFIC WEIGHT:

N/A

WEIGHT BY VOLUME:

One-half gallon equals 70 ounces.

SPECIFIC GRAVITY:

1.09

FLASH POINT:

N/A

PH SPECIFICATIONS:

Neutral

TOXICITY:

This product is non-toxic, non-corrosive; see Material Safety Data Sheet.

TYPES OF MATERIAL TO BE TREATED:

All types of natural or synthetic materials. Before application, user should test applicability of product in small sample to determine the suitability and/or application rate.

STORAGE SPECIFICATIONS:

Keep container sealed to prevent evaporation. Keep from freezing.

VOLATILITY BEFORE USE:

None

VOLATILITY AFTER USE:

None

TESTING REFERENCE:

The product has been field-tested and demonstrated on various surfaces as a heat barrier. Information is available upon request.

PACKAGING:

One-half gallon resealable containers; 8 oz. resealable jars.

METHOD OF DISPOSAL:

Water miscible, rinse with a mixture of baking soda and water.

PERFORMANCE CHARACTERISTICS:

1. Will stick to horizontal or vertical surfaces.
2. Easy clean-up.
3. Excellent heat barrier.
4. Environmentally friendly.

BENEFITS:

1. Environmentally friendly.
2. Product is non-toxic.

SEATTLE FIRE DEPARTMENT
INSPECTION GUIDELINE

No. 49.1011

SUBJECT: WELDING, CUTTING AND OTHER HOT WORK ON MARINE VESSELS

FIRE CODE REFERENCE: 1988 SFC ARTICLE 49

ADDITIONAL REFERENCES: NFPA 306, 307, 312
OSHA Safety And Health Standard 2268 (1989 Edition)

A. PERMITS:

1. Permits Required:

A permit shall be obtained from the Fire Department prior to the commencement of any welding and cutting operations aboard any marine vessel.

A temporary Seattle Fire Department permit (Code No. 493 - Temporary Cutting and Welding) shall be obtained by any company or person performing cutting, welding or other hot work on any marine vessel.

Exceptions:

1. An annual permit (Code No. 492- Annual Cutting and Welding on a Vessel in a Shipyard) may be obtained by any company or person conducting cutting, welding or other hot work on marine vessels in a shipyard.

2. An annual permit (Code No. 495 - Annual Cutting and Welding on a Vessel at a designated facility may be obtained by any company that uses its own employees to perform cutting, welding or other hot work on its own vessels at a designated facility owned by the company.

Shipyards shall obtain an annual Shipyard Cutting and Welding Facility permit (Code 490).

Facilities where repairs to vessels which are over 200 feet in length are to be conducted shall obtain an annual Class I Designated Facility permit (Code 490A).

Facilities where repairs to vessels which are less than or equal to 200 feet in length are to be conducted shall obtain an annual Class II Designated Facility permit (Code 490B).

2. Posting Permits:

A copy of the Fire Department Permit shall be displayed at the foot of the gangway or in such other location where it is readily visible from the pier or dock. The permit shall be displayed in such a manner as to be protected from the effects of weather.

A Fire hose of not less than 3/4 inch diameter shall be laid out and charged in the vicinity of welding and cutting operations. Such hose shall be of sufficient length to reach all areas within the compartment or space being worked on.

Additional 1-½ inch fire hoses shall be available in the immediate area. Such hoses are not required to be charged. See below for special requirements involving combustible insulation.

g. Special Safeguards Relating to Combustible Insulation:

When it is necessary to cut or weld on an area which is covered with combustible insulation, such insulation shall be removed in accordance with the following requirements:

(i) Remove foam 36 inches in all directions, and clean all foam bits and pieces from the area prior to starting welding and cutting. The remainder of exposed combustible insulation shall be wet down or covered with wet tarps or other suitable materials for a distance of not less than five (5) feet past the most distant point where sparks or slag will fly or fall.

Alternate: Remove foam 12 inches in all directions and coat exposed edges with No Char or equivalent substance. Clean all bits and pieces of foam from the area prior to start of welding or cutting. The remainder of exposed combustible insulation shall be wet down or covered with wet tarps or other suitable materials for a distance not less than five (5) feet past the most distant point where sparks or slag will fly or fall.

(ii) A charged 1½ inch fire hose shall be immediately available in areas where welding and cutting is being done on combustible insulation other than polyurethane foam insulation.

(iii) When welding and cutting is being performed in areas where poly-urethane foam insulation is present, one fire hose not less than 1-½ inch in diameter shall be laid out and charged in the vicinity of welding and cutting operations. One other uncharged 1-½ inch hose line shall be immediately available. Such hose shall be of sufficient length to reach all areas within the compartment or space being worked on and/or into immediately adjacent spaces.

(iv) Fire watch shall have no other duties other than to watch for fire. Fire watches shall remain on duty for not less than 30 minutes after welding and cutting operations are completed or interrupted, ie. lunch and coffee breaks.

(v) Any sign of fire will result in an immediate call to the Fire Department 911 number.

(vi) When welding on an area that has combustible insulation sprayed on the other side, it will be permitted to leave the insulation in place if the following conditions are met:

AATLABS INC
3125 Madison, S.E. • Grand Rapids, MI 49548 • (616) 241-6070

July 1, 1994

TO: Nochar Inc
Suite 215
10333 N Meridian St
Indianapolis IN 46290

RE: Analysis of samples identified as "E111, P215, E112"; received 7/1/94; analysis requested - Conductivity.

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The results are as follows:

SAMPLE ID	Conductivity, µmhos/cm
E111	5,500
P215	4,500
E112	0

All analysis is in accordance with "Standard Methods", 17th edition, 1989.

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ANALYSIS SUBMITTED BY:

JOB#: 9094

Thomas L. Wing
Environmental Services