



33010 Enviro-Prep[®] Premium

Lead Abatement Products for Non-Hazardous Disposal

hci product number 33010 Enviro-Prep[®] Premium is a water-borne, pH neutral coating used to abate hazardous lead-based paint during its removal from an assortment of substrates. The Enviro-Prep System[®] converts lead to a highly insoluble inorganic compound, creating non-hazardous waste which is stable for disposal in a Subtitle D regular landfill. The product is applied to a leaded surface and then removed by any common removal method.

<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>	<u>SURFACE PREPARATION</u>
<ul style="list-style-type: none"> • Ease of application • Long term stability • Low dusting during blasting • Passes both TCLP and SPLP testing when used at recommended dosage • Proven history • Use any removal method <p>pH Level – 7.0 – 8.0 Spreading Rate – @ 5 wet mils – 350 sq ft/gal @ 10 wet mils – 175-190 sq ft/gal @ 15 wet mils – 115-130 sq ft/gal @ 20 wet mils – 85-100 sq ft/gal (theoretical – no loss factor) Specific Gravity – 1.31 VOC – 0.07 lb/gal VOC (less water) – 0.31 lb/gal</p> <p><u>Dry Time - (77°F at 50% R.H.)</u> To Touch – 2-3 Hours Can be blasted while still wet to cut down on dusting.</p> <p><i>*Dry times may vary depending on temperature, humidity and degree of air movement.</i></p>	<p>Asphalt Bridges Concrete Heavy Equipment Light Poles Old Housing Pipeline Ship Platforms Storage Tanks Structural Steel Subway/Rail Stations Warehouses Water Towers</p> <p><u>PRECAUTIONS</u></p> <p>Consult an MSDS for specific hazards. Do not breathe spray mist. Do not get in eyes, on skin or on clothing. Wear appropriate, properly filled (NIOSH/OSHA approved) respirator during and after application. This product does not contain any petroleum distillates or hazardous material. No toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.</p>	<p>No surface preparation is required.</p> <p><u>APPLICATION</u></p> <p>This product should be applied at a recommended thickness for the generated waste to pass the TCLP test. See reverse for further information on testing and recommendations. If frozen, must be thawed and agitated before use.</p> <p>EQUIPMENT: This product can be applied by conventional, HVLP, and airless spray equipment. Recommended settings depend on the equipment make and model. When using spray equipment, recommended tip size is 19 and over – remove all filters.</p> <p>REDUCTION: No reduction is necessary. This product is intended for use as packaged.</p> <p><u>CLEANUP INFORMATION</u></p> <p>Clean with water.</p>

At hci, it is our goal to create and customize products that fit each customer's specific needs. We pledge to provide efficiency and value, and be environmentally responsible. Please contact an hci representative for more information. 1-800-433-6331.



Lead Abatement Products for Non-Hazardous Disposal

33010 Enviro-Prep[®] Premium

Taking and Testing Samples

Testing is an integral part of the Enviro-Prep System[®]. Pre-Screening samples can be sent to hci chemtec, inc. to determine the initial leachability of the lead and the recommended application thickness for the project. There will be no charge for this initial testing. This initial testing does not take the place of a certified TCLP test. The recommended application thickness will be faxed to the distributor within three to five business days. Ideally, initial samples will be gathered prior to bidding on a project to aid the end-user in accurately determining the amount of Enviro-Prep[®] needed. Customers are free to use any certified lab for their official TCLP testing. TCLP test results should be faxed to hci chemtec, inc. for project tracking purposes. Laboratory requirements may vary, but for many certified labs the following guidelines apply: a) the minimum sample weight is 120 grams (about 4 ½ ounces) of waste; b) the waste should be collected by proper sampling techniques and transported in a plastic bag; and c) a chain of custody document should accompany the sample. Samples collected more than six months prior to testing may not be allowed by the laboratory.

Safety and OSHA

Currently, there has not been enough testing of Enviro-Prep[®] to warrant relaxing the current guidelines for containment, respirators, protective gear, etc. Enviro-Prep[®] requires no additional containment or protective equipment beyond what would be used for any lead removal project. Abiding by standard lead-removal protocols is all that is necessary to use Enviro-Prep[®]. The product itself is non-hazardous—a water-based mixture with the same basic safety precautions as any latex house paint. It will wash off with water, even after drying.

Preparation of Enviro-Prep[®]

Enviro-Prep[®] must be mixed thoroughly before using. A power hand mixer should be used with the lid off to ensure proper mixing. The peculiar viscosity properties of the product will become evident almost immediately. The product should be mixed until the entire package is in the fully liquid state for several minutes. The five-gallon container can then be attached to the sprayer and applied.

Application of Enviro-Prep[®]

Enviro-Prep[®] must be applied to the recommended wet mil thickness to be effective in rendering the lead paint waste nonhazardous. Over-application results in decreased efficiency, but has no harmful effect on the non-hazardous waste produced. Film weight less than the recommended thickness (or thinning of the product) may result in hazardous waste. The product can be applied with any airless sprayer system as well as conventional air, brush, or roller. Enviro-Prep[®] Premium dries quickly but is dependent on temperature and humidity. To aid in dust reduction, the removal process can be started while Enviro-Prep[®] Premium is still wet with no deleterious effects. Enviro-Prep[®] Premium may stay on a surface if not exposed to direct water contact. Prompt removal is recommended. Enviro-Prep[®] is water soluble, non-hazardous, and contains minimal VOC's. Tools, clothing, and other equipment (including overspray) clean up with water, with no hazardous wash solvents to collect and dispose of. Collateral damage from over spray is virtually eliminated.

Removal of Enviro-Prep[®] and the Lead

The lead paint and Enviro-Prep[®] should be removed together by grit blasting, recyclable grit blasting, mechanical removal, vacuum blasting or any other common removal method. Enviro-Prep[®] is also suitable for many caustic and solvent paint strippers. The commingled waste should be sampled according to regulatory protocols for a TCLP test and then periodically as required. For more information and guidelines on the use of this product, please contact us with your questions.

Disposal of the Waste

After the waste has passed the TCLP test, simply dispose or incinerate the non-hazardous waste in accordance with the local regulations. Usually Enviro-Prep[®] containing waste can be taken to a regular Subtitle D landfill, but checking local laws is prudent. Enviro-Prep[®] will keep the lead from leaching in any landfill environment—so no matter what the destination, you can feel secure about your choice.

Enviro-Prep® Premium

Protect Yourself and the Environment



There's no question that the removal of Lead containing materials is a serious issue. But, until now, the options for doing it haven't always been easy and reliable. That has all changed with the Enviro-Prep System®. It's the stable, long-term solution that is cost-effective, protects the environment and has less risk of liability.

Render Lead in Sediment

Nonhazardous

Enviro-Prep® Premium uses a patented treatment chemistry that converts lead to a highly insoluble inorganic compound. The chemical dosage can be tailored to cost-effectively treat any level of lead to less than the RCRA toxicity characteristic (5.0 mg/L) or the Universal Treatment Standard (0.75 mg/L). The treated material remains stable under all "real world" and standard laboratory leaching tests.

Easy Field Application

Treatment with Enviro-Prep® Premium can easily be integrated into existing blasting procedures. Following an initial review of current lead levels (if available) and any facility-specific issues, an application thickness can be determined. Enviro-Prep® Premium is designed to be applied prior to the blasting procedure. No special protective equipment is needed beyond what is normally required for blasting. Because Enviro-Prep® Premium is water-based and pH neutral, it does not create worker contact, wastewater, or material handling problems.

Proven Technology

The Enviro-Prep® System has cost-effectively treated lead-impacted sediments in hundreds of applications across the United States.

Product Advantages

Cost Savings. Sediment treated with Enviro-Prep® Premium is *nonhazardous* and can be managed as a RCRA Subtitle D solid waste. This results in significant cost savings from reduced testing, transportation, and disposal costs. Additional savings are realized by eliminating preparation and tracking of hazardous waste manifests.

Dust and Odor Control. Use of Enviro-Prep® Premium does not create nuisance dust or odors that are characteristic of other treatment methods.

Environmentally Sound. Treatment with Enviro-Prep® Premium eliminates a hazardous waste stream, resulting in an improved public image.

For more information, contact us at:

1-800-596-6282

www.enviro-prep.com

Enviro-Prep
SYSTEM®

A product of hci
310 S. Bellis St., Wausau, WI 54403
Phone: 800/596-6282 Fax: 715/848-9230



Enviro-Prep® Premium uses a proprietary treatment technology developed by RMT, Inc. (www.rmtinc.com)

MATERIAL SAFETY DATA SHEET

Enviro-Prep Premium

Date Printed: 1/6/2014

Date Revised:

Page 1 of 4

PRODUCT NAME: Enviro-Prep Premium
PRODUCT CODE: -33010-

HMIS CODES: H F R P
1 0 0 J

===== SECTION I - PRODUCT & MANUFACTURER IDENTIFICATION =====

PRODUCT NAME: Enviro-Prep Premium
PRODUCT CODE: -33010-

MANUFACTURER'S NAME: hci chemtec, inc.
ADDRESS : 310 S. Bellis St.
Wausau, WI 54403

EMERGENCY PHONE (CHEMTREC): (800) 424-9300 DATE PRINTED: 1/6/2014
INFORMATION PHONE : (715) 845-7221 PREPARED BY : hci Laboratory

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE MM HG @ TEMP	WEIGHT PERCENT

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 212 F SPECIFIC GRAVITY (H2O=1): 1.306
VAPOR DENSITY: Heavier than air EVAPORATION RATE: Slower than But. Acetate
V.O.C. (LESS WATER): 0.0 lb/gl V.O.C.: 0.0 lb/gl
SOLUBILITY IN WATER: Dispersible
APPEARANCE AND ODOR: Thick grayish-brown slurry with slight odor

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: N/A (aqueous system) METHOD USED: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: Product is not combustible. Use extinguishing media such as foam, CO2, Dry Chemical, Water Fog, appropriate to combustibles in the surrounding area.

SPECIAL FIREFIGHTING PROCEDURES

This is a non-combustible mixture. Use water to prevent closed containers from rupturing during a fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS

MATERIAL SAFETY DATA SHEET

Enviro-Prep Premium

Date Printed: 1/6/2014

Date Revised:

Page 2 of 4

No special requirements. Closed containers may pressurize and rupture when exposed to extreme heat. Use water to prevent closed containers from rupturing in a fire.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID

Avoid sources of extreme heat.

INCOMPATIBILITY (MATERIALS TO AVOID)

Materials that react with water.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Thermal decomposition may produce carbon monoxide and/or carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May be irritating to mucous membranes, especially following prolonged exposure to mists or vapors.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Prolonged or repeated skin contact can cause slight skin irritation. Eye contact may cause irritation, tearing, or redness.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause defatting and dryness causing skin to crack. May lead to dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Ingestion not likely under normal industrial conditions. May cause gastrointestinal irritation, nausea, vomiting, diarrhea, or loss of appetite.

HEALTH HAZARDS (ACUTE AND CHRONIC)

May cause eye and respiratory tract irritation, dizziness, headaches, nausea, skin chapping, or weakness.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

Not known to be carcinogenic.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None anticipated.

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush with plenty of water for several minutes. Consult a physician

MATERIAL SAFETY DATA SHEET

Enviro-Prep Premium

Date Printed: 1/6/2014

Date Revised:

Page 3 of 4

if irritation persists. INHALATION: Remove patient to fresh air. Administer oxygen or artificial respiration as required. Consult a physician. INGESTION: Do not induce vomiting. Seek medical attention immediately! Note to physician- No specific antidote. Treat symptomatically. SKIN CONTACT: Wash with soap and water. Use hand cream if necessary. See a physician if irritation persists. Launder contaminated clothing before reusing. Consult a physician if any type of ill effects persist.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

SMALL SPILLS: Wipe up with absorbent material. LARGE SPILLS: Dike area with inert material (sand). Pump liquid into containers. Consult other parts of this data sheet for recommendations on protective equipment.

WASTE DISPOSAL METHOD

Refer to hazard data in other sections of this data sheet. Collect and dispose of waste at an authorized facility in accordance with all local, state, and federal requirements. Be sure to contact appropriate government environmental agencies if further disposal guidance is required.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

PROTECT FROM FREEZING! Store in a cool, dry, well ventilated area.

OTHER PRECAUTIONS

Do not take internally. Avoid prolonged or repeated contact with skin. Wash hands after use or before eating or smoking. Keep out of reach of children.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

Where air contaminants can exceed acceptable criteria, use NIOSH/OSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in the air in accordance with OSHA 29 1910.134 or other applicable standards or guidelines.

VENTILATION

Use good general mechanical ventilation and local exhaust when spraying this product indoors.

PROTECTIVE GLOVES

Chemical-resistant gloves should be worn to prevent prolonged or repeated skin contact.

EYE PROTECTION

Eye contact should be avoided through the use of approved safety glasses,

MATERIAL SAFETY DATA SHEET

Enviro-Prep Premium

Date Printed: 1/6/2014

Date Revised:

Page 4 of 4

goggles, or a face shield.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Wear a rubber-backed apron to protect body and clothing.

WORK/HYGIENIC PRACTICES

Wash hands before eating, smoking, or using the restroom. Wash contaminated equipment, professionally launder clothing.

===== SECTION IX - DISCLAIMER =====

The information and recommendations contained herein are believed to be accurate at the time of preparation or obtained from sources believed to be generally reliable. We will not be held liable for claims relating to any party's use of or reliance on information contained herein, regardless of whether it is claimed the information is inaccurate.

===== SECTION X - LIMITED WARRANTY =====

All statements made on any product label, product manual, product data sheets, technical data charts, or specifications related to this sale are accurate to the best of our knowledge. The products and information are intended for use by persons having skill and know how in the industry at their own discretion and risk. hci Chemtec, Inc. (hci) warrants our product to be of merchantable quality when used or applied in accordance with the product data sheet. HCI DOES NOT WARRANT THIS PRODUCT TO BE SUITABLE FOR ANY PURPOSE OR USE OTHER THAN THE SPECIFIC PURPOSE FOR WHICH IT IS INTENDED WHEN PROPERLY APPLIED.

HCI'S LIABILITY IS LIMITED TO REPLACEMENT OF THE PRODUCT (AS PURCHASED) FOUND TO BE DEFECTIVE AND HCI SHALL NOT BE LIABLE FOR THE LABOR AND MATERIALS FOR THE APPLICATION OF ANY PRODUCT REPLACEMENT - ALL OF WHICH ARE SPECIFICALLY EXCLUDED. THIS LIMITED WARRANTY IS HCI'S SOLE LIABILITY AND IS ISSUED AND ACCEPTED IN LIEU OF ANY AND ALL OTHER EXPRESSED OR IMPLIED WARRANTIES AND HCI'S AFORESAID OBLIGATIONS ARE IN LIEU OF ANY DIRECT OR INDIRECT INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND, INCLUDING ANY THIRD PARTY CLAIMS, HCI'S LIABILITY BEING LIMITED TO THE AMOUNT PAID FOR THE PRODUCT.