



**TWO COMPONENT WATERBASED**  
**ENVIROPOXY™**  
**INDUSTRIAL STRENGTH EPOXY**  
**PROTECTIVE COATING & FLOORING SYSTEM**

**PRODUCT DATA**  
**(Amine) #5900A**  
**(Epoxy) #5900B**  
**12/26/12**  
*superseding: 11/02/12*

**PRODUCT DESCRIPTION:**

**ENVIROPOXY™** is a high gloss, white, Two Component, hard finish industrial strength epoxy protective coating and flooring system. It is also a low V.O.C., environmentally safe, waterborne formulation. Great for use as an anti-graffiti coating. It is easy to apply, has low odor and high hiding characteristics. This product is tintable with waterbased colorants, and is available in Tint, Deep & Clear bases and a non-pigmented clear gloss finish. **ENVIROPOXY™** should be used only in covered areas, both interior and exterior, not exposed to direct sunlight.

**PRODUCT USES:**

**ENVIROPOXY™** can be used on most any substrate including drywall, metal, ceramic tiles, cement, hard woods, asphalt and some plastics. Great for use on interior floors and walls in restrooms, locker rooms, shower stalls, meat packing plants, dairies, restaurants, schools, hospitals, factories, maintenance shops, covered car washes, parking garages and everywhere a tough, highly cleanable, chemical and solvent resistant coating is needed. It can also be used on the inside of water tanks and other surfaces continually exposed to water or moisture.

**SURFACE PREPARATION:**

Patch all holes, cracks, seams and imperfections with **PERMAPATCH™** Waterproofing Caulk and Sealant or an appropriate patching material. Clean dirt, oil, grease and soap off of the surface with the appropriate cleanser and rinse thoroughly. Remove all mildew, algae and mold off of the surface with a chlorine solution (2 quarts pool chlorine to 4½ gallons water) and rinse thoroughly. Remove all loose paint and powdery substances by scraping and pressure washing. Clean metal surfaces of oil, grease and foreign matter before painting. Rust must be removed from ferrous metal before coating. Concrete must be acid etched at least twice to insure proper penetration. Repeat acid etching, if necessary, until pores visibly appear in surface. The surface should feel like #80 sandpaper after etching. Rinse surface thoroughly.

**PRIMERS :**

- Drywall: Latex Paint Primer
- Ferrous Metal: None (When prepared properly and all rust is removed)
- Aluminum and Galvanized Metal: None (When prepared properly, as stated above)
- Ceramic Tile: None (When prepared properly, as stated above. Do not use siloxane)
- Wood: None, but only use on hard woods.

**APPLICATION PROCEDURE:**

Stir the Amine (5900A) and the Epoxy (5900B) components separately prior to mixing. Thoroughly mix 3 parts of (Amine) 5900A to 1 part of (Epoxy) 5900B. Let mixture sit for 10 to 15 minutes before using. Do not thin, use product as is. Average pot-life is 2 to 3 hours, depending on temperature and humidity, before gelling. Do not apply when temperatures are below 40 degrees Fahrenheit or when humidity is very high. Drying time will vary depending on temperature, humidity and location. Apply using brush, roller or airless sprayer (.013 tip to start). Spread coating uniformly. Spread Rate may vary depending on profile and porosity of the surface. Apply two coats on floors intended for pedestrian and vehicle traffic and walls that will be subjected to a lot of water and cleaning. Let surface dry for 36 hours for pedestrian traffic and 72 hours for vehicular traffic. Dark colors will take longer to dry.

**COLORS & TINTING:**

**ENVIROPOXY™** is available in white, deep and clear bases and can be tinted with standard waterbased colorants. Tinting should be done by adding colorant to Part A (Amine), before mixing the Amine and Epoxy.

**CLEAN UP:**

Clean up all spills, tools and overspray immediately while the coating is still wet with warm soapy water. Xylene may be needed for final rinse of tools & equipment.

Specialty

Ambient Temperature of 77°F and RH of 50%

**TECHNICAL SPECIFICATIONS:**

Rates & Times May Vary Beyond Specifications

FINISH:	High Gloss	SPREAD RATE:	200 to 300 sq.ft./gal.
COLOR (Tintable):	White, Deep & Clear Base	DRY to TOUCH:	4 Hours
VEHICLE TYPE:	Epoxy / Amine	RECOAT:	12 to 24 Hours
SOLIDS by WEIGHT:	50% +/- 2%	CURE TIME:	24 Hours
SOLIDS by VOLUME:	40% +/- 2%	SIZES:	1 Gal. Kit, 4 Gal. Kit
V.O.C.'s (averages):	1.87 lbs./gal. • 224 g/liter	GALLON WEIGHT:	10.1 lbs. +/- .3 lbs.

*Information presented on this Data Sheet has been compiled from sources to be reliable, and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so.*



**M A T E R I A L   S A F E T Y   D A T A   S H E E T**

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

**STABILITY:**

STABLE

**CONDITIONS TO AVOID**

DO NOT USE NEAR OPEN FLAMES. AVOID EXCESSIVE HEAT.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

INCOMPATIBLE WITH STRONG OXIDIZING AGENTS.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

MAY YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE UPON THERMAL DECOMPOSITION.

**HAZARDOUS POLYMERIZATION:**

WILL NOT OCCUR.

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

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

CAN ACT AS AN ANESTHETIC. CAN CAUSE IRRITATION OF THE RESPIRATORY TRACT OR ACCUTE NERVOUS SYSTEM, OR DEPRESSION CHARACTERIZED BY THE FOLLOWING PROGRESSIVE STEPS; HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS, OR COMA.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

EYE IRRITATION FROM VAPOR OR LIQUID.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

LIQUID IS NOT EASILY ABSORBED.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

ACUTE-DIZZINESS, WEAKNESS, NAUSEA, HEADACHE,  
CHRONIC-GASTROINTESTINAL IRRITATION.

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

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

REPORTS HAVE ASSOCIATED PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

**EMERGENCY AND FIRST AID PROCEDURES**

INHALATION-REMOVE TO FRESH AIR. RESTORE BREATHING. TREAT SYMPTOMATICALLY. CONSULT A PHYSICIAN. EYE CONTACT-FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. TAKE TO PHYSICIAN FOR MEDICAL HELP. SKIN CONTACT-WASH AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT A PHYSICIAN FOR SKIN IRRITATION. INGESTION-DRINK 1 OR 2 GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING. CONSULT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY, TREAT SYMTOMATICALLY.

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

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

ELIMINATE IGNITION SOURCES (E.G. SPARKS, FLAMES, HOT SURFACES), PROVIDE GOOD VENTILATION, AVOID BREATHING VAPORS, DIKE SPILLS, SPRINKLE WITH SAWDUST TO ADSORB LIQUID, SWEEP AND REMOVE.

**WASTE DISPOSAL METHOD**

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DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

STORE IN COOL, DRY AREAS BETWEEN 40F AND 100F AND AWAY FROM SOURCES OF IGNITION. KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE.

**OTHER PRECAUTIONS**

AVOID INHALATION OF VAPORS. USE DUST MASK TO AVOID BREATHING SANDING DUST. KEEP AWAY FROM CHILDREN. DO NOT TAKE INTERNALLY. EMPTY CONTAINERS OF THIS MATERIAL SHOULD BE CONSIDERED HAZARDOUS.

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

**RESPIRATORY PROTECTION**

WHEN SPRAYING THIS MATERIAL USE NIOSH APPROVED RESPIRATOR OR GAS MASK SUITABLE TO KEEP AIRBORNE MISTS AND VAPOR CONCENTRATIONS BELOW THE TIME WEIGHTED THRESHOLD LIMIT VALUES. WHEN USED IN POORLY VENTILATED AND CONFINED SPACES, USE A FRESH-AIR SUPPLYING RESPIRATOR OR A SELF-CONTAINED BREATHING APPARATUS.

**VENTILATION**

LOCAL EXHAUST NEEDED AT POINT OF RELEASE TO MAINTAIN EXPOSURE BELOW PEL OR TLV LEVELS.

**PROTECTIVE GLOVES**

IMPERMEABLE GLOVES ADVISED TO PREVENT SKIN IRRITATION.

**EYE PROTECTION**

CHEMICAL SPLASH GOGGLES RECOMMENDED TO AVOID EYE CONTACT.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

RUBBER APRON IS ADVISED TO PREVENT CONTACT WITH CLOTHING.

**WORK/HYGIENIC PRACTICES**

WASH HANDS BEFORE EATING OR USING WASHROOM.

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

ALL INFORMATION, RECOMMENDATIONS AND SUGGESTIONS CONCERNING THIS PRODUCT ARE BASED UPON TESTS AND DATA BELIEVED TO BE RELIABLE. NATIONWIDE CHEMICAL COATING MFRS., Inc. MAKES NO GUARANTEE, EXPRESSED OR IMPLIED, AS TO THE AFFECT OF USE, OR THE SAFETY AND TOXICITY OF THE PRODUCT. THE INFORMATION CONTAINED IN THIS SHEET IS NOT TO BE CONSTRUED AS ABSOLUTELY COMPLETE.

M A T E R I A L S A F E T Y D A T A S H E E T

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PRODUCT NAME: 5900A ENVIROPOXY (CLEAR) PART A HMIS CODES: H F R P  
PRODUCT CODE: 5900A (CLEAR) 1 0 0

=====**SECTION I -MANUFACTURER IDENTIFICATION**=====

MANUFACTURER'S NAME: Nationwide Chemical Coating Mfrs., Inc.  
ADDRESS : 7106 24<sup>th</sup> Court East, Sarasota, FL 34243-3993

EMERGENCY PHONE : 941-753-7500 DATE PRINTED : 06/31/2008  
INFORMATION PHONE : 941-753-7500 NAME OF PREPARER : Walter Naughton

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

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		WEIGHT
		MM HG @ TEMP		PERCENT
* 2-ETHOXYETHANOL OSHA PEL: 200 PPM	110-80-5	0	68	7
ACETIC ACID OSHA PEL: 10 PPM	64-19-7	0	68	2.33

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

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

BOILING RANGE: N/A SPECIFIC GRAVITY (H2O=1): 1.04  
VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER  
COATING V.O.C.: 276 g/l MATERIAL V.O.C.: 96 g/l  
SOLUBILITY IN WATER: Non Soluble  
APPEARANCE AND ODOR: CLEAR YELLOWISH LIQUID, ESTER ODOR

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

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

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER

**SPECIAL FIREFIGHTING PROCEDURES**

THE USE OF SELF-CONTAINED BREATHING AND FULL PROTECTIVE EQUIPMENT IS RECOMMENDED. USE WATER TO COOL ADJACENT CONTAINERS. AVOID SPREADING BURNING LIQUID WITH WATER.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

HANDLE AS FLAMMABLE LIQUID. VAPORS FORM AN EXPLOSIVE MIXTURE IN AIR BETWEEN THE UPPER AND LOWER EXPLOSIVE LIMITS WHICH CAN BE IGNITED BY MANY SOURCES SUCH AS PILOT LIGHTS, OPEN FLAMES, ELECTRICAL MOTORS AND SWITCHES. PRESSURE MAY BUILD UP IN CLOSED CONTAINERS DUE TO EXTREME HEAT.

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

STABILITY: STABLE

CONDITIONS TO AVOID

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DO NOT USE NEAR OPEN FLAMES. AVOID EXCESSIVE HEAT.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

INCOMPATIBLE WITH STRONG OXIDIZING AGENTS.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

MAY YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE UPON THERMAL DECOMPOSITION.

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR.

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

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

CAN ACT AS AN ANESTHETIC. CAN CAUSE IRRITATION OF THE RESPIRATORY TRACT OR ACCUTE NERVOUS SYSTEM, OR DEPRESSION CHARACTERIZED BY THE FOLLOWING PROGRESSIVE STEPS; HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS, OR COMA.

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EYE IRRITATION FROM VAPOR OR LIQUID.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

LIQUID IS NOT EASILY ABSORBED.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

ACUTE-DIZZINESS, WEAKNESS, NAUSEA, HEADACHE,  
CHRONIC-GASTROINTESTINAL IRRITATION.

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

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

REPORTS HAVE ASSOCIATED PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

**EMERGENCY AND FIRST AID PROCEDURES**

INHALATION-REMOVE TO FRESH AIR. RESTORE BREATHING. TREAT SYMPTOMATICALLY. CONSULT A PHYSICIAN. EYE CONTACT-FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. TAKE TO PHYSICIAN FOR MEDICAL HELP. SKIN CONTACT-WASH AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT A PHYSICIAN FOR SKIN IRRITATION. INGESTION-DRINK 1 OR 2 GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING. CONSULT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY, TREAT SYMPTOMATICALLY.

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

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

ELIMINATE IGNITION SOURCES (E.G. SPARKS, FLAMES, HOT SURFACES), PROVIDE GOOD VENTILATION, AVOID BREATHING VAPORS, DIKE SPILLS, SPRINKLE WITH SAWDUST TO ADSORB LIQUID, SWEEP AND REMOVE.

**WASTE DISPOSAL METHOD**

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

STORE IN COOL, DRY AREAS BETWEEN 40F AND 100F AND AWAY FROM SOURCES OF IGNITION. KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE.

**OTHER PRECAUTIONS**

AVOID INHALATION OF VAPORS. USE DUST MASK TO AVOID BREATHING SANDING DUST. KEEP AWAY FROM CHILDREN. DO NOT TAKE INTERNALLY. EMPTY CONTAINERS OF THIS MATERIAL SHOULD BE CONSIDERED HAZARDOUS.

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

**RESPIRATORY PROTECTION**

WHEN SPRAYING THIS MATERIAL USE NIOSH APPROVED RESPIRATOR OR GAS MASK SUITABLE TO KEEP AIRBORNE MISTS AND VAPOR CONCENTRATIONS BELOW THE TIME WEIGHTED THRESHOLD LIMIT VALUES. WHEN USED IN POORLY VENTILATED AND CONFINED SPACES, USE A FRESH-AIR SUPPLYING RESPIRATOR OR A SELF-CONTAINED BREATHING APPARATUS.

**VENTILATION**

LOCAL EXHAUST NEEDED AT POINT OF RELEASE TO MAINTAIN EXPOSURE BELOW PEL OR TLV LEVELS.

**PROTECTIVE GLOVES**

IMPERMEABLE GLOVES ADVISED TO PREVENT SKIN IRRITATION.

**EYE PROTECTION**

CHEMICAL SPLASH GOGGLES RECOMMENDED TO AVOID EYE CONTACT.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

RUBBER APRON IS ADVISED TO PREVENT CONTACT WITH CLOTHING.

**WORK/HYGIENIC PRACTICES**

WASH HANDS BEFORE EATING OR USING WASHROOM.

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

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PRODUCT NAME: 5900B ENVIROPOXY PART B  
PRODUCT CODE: 5900B

HMIS CODES: H F R P  
1 1 0

=====**SECTION I -MANUFACTURER IDENTIFICATION**=====

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INFORMATION PHONE : 941-753-7500              NAME OF PREPARER : Walter Naughton

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

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		WEIGHT
		MM HG @ TEMP		PERCENT
DIGLYCIDAL ETHER OF BISPHENYL A OSHA PEL: NOT EST	25068-38-6	0.30	77	72.28
* Ethyl-3-Ethoxy Propionate OSHA PEL: 200 PPM	763-69-9	2.0	78.0	24.9

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

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

BOILING RANGE: 500 F    SPECIFIC GRAVITY (H2O=1): 1.1  
VAPOR DENSITY: HEAVIER THAN AIR                              EVAPORATION RATE: SLOWER THAN ETHER  
COATING V.O.C.: 276 g/l    MATERIAL V.O.C.: 274 g/l  
SOLUBILITY IN WATER: Non Soluble  
APPEARANCE AND ODOR: CLEAR YELLOWISH LIQUID, AMINE ODOR

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

FLASH POINT: 488 F    METHOD USED: PMCC  
FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER: N/A                      UPPER: N/A  
EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER

**SPECIAL FIREFIGHTING PROCEDURES**

THE USE OF SELF-CONTAINED BREATHING AND FULL PROTECTIVE EQUIPMENT IS RECOMMENDED.  
USE WATER TO COOL ADJACENT CONTAINERS. AVOID SPREADING BURNING LIQUID WITH WATER.

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

**STABILITY:**  
STABLE

**CONDITIONS TO AVOID**  
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**INCOMPATIBILITY (MATERIALS TO AVOID)**



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INCOMPATIBLE WITH STRONG OXIDIZING AGENTS.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

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**HAZARDOUS POLYMERIZATION:**

WILL NOT OCCUR.

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

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**WASTE DISPOSAL METHOD**

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

STORE IN COOL, DRY AREAS BETWEEN 40F AND 100F AND AWAY FROM SOURCES OF IGNITION. KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE.

**OTHER PRECAUTIONS**

AVOID INHALATION OF VAPORS. USE DUST MASK TO AVOID BREATHING SANDING DUST. KEEP AWAY FROM CHILDREN. DO NOT TAKE INTERNALLY. EMPTY CONTAINERS OF THIS MATERIAL SHOULD BE CONSIDERED HAZARDOUS.

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

**RESPIRATORY PROTECTION**

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**VENTILATION**

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**PROTECTIVE GLOVES**

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**WORK/HYGIENIC PRACTICES**

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