

MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Hydro-Balance Pre-Clean
 Product Number(s): H-PC01
 Product Use: Coil cleaner for use prior to anti-foulant application
 Company Name: North American Research Corporation
 P.O. Box 1318
 Lewisville, TX 75067
 Telephone Numbers: (972) 492-1800, (800) 527-7520, Fax (972) 394-6755
 Emergencies: Infotrac (800) 535-5053 (24 hours, everyday)

Date Prepared Dec. 06, 2002
 Replaces Sep. 02, 1997

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200):

| | CAS Registry No. | OSHA PEL | ACGIH TLV | Other Limits | % (Optional) |
|---------------------|---------------------|-----------------|-----------------|--------------|-----------------|
| Sodium Metasilicate | 6834-92-0 | Not established | Not Established | None | < 10 |

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CAUTION! May be irritating to the eyes and skin.

POTENTIAL HEALTH EFFECTS

EYE CONTACT: May be severely irritating to eyes.

SKIN CONTACT: May be moderately irritating to the skin.

INHALATION: Not expected to be an inhalation hazard during normal use.

INGESTION: May be irritating to the mouth, throat, and stomach.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known other than existing skin disorders.

CARCINOGENICITY: NTP? No IARC Monographs? No OSHA Regulated? No

SECTION 4 FIRST-AID MEASURES

EYE CONTACT: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.

SKIN CONTACT: Flush immediately with plenty of water. If irritation persists, get medical attention.

INHALATION: If breathing is difficult: Remove to fresh air. Get medical attention.

INGESTION: Do not induce vomiting! Immediately drink large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention.

SECTION 5 FIRE-FIGHTING MEASURES

FLASHPOINT: Not flammable METHOD: Not applicable

FLAMMABLE LIMITS: LEL: Not applicable UEL: Not applicable

AUTOIGNITION TEMP: Not applicable

FIRE EXTINGUISHING MEDIA: Use any means suitable for extinguishing surrounding fire. Water spray may be used to keep fire-exposed containers cool.

SPECIAL INFORMATION: None known.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Put on appropriate personal protective equipment.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP:

Small spills: Mop up or soak up with rags and flush with water.

In the event of major spillage: Use appropriate containment consistent with good industrial or environmental practice. Recover as much as possible. Pump, sweep or scrape up the remaining material and place in suitable clean containers for disposal by proper methods. Use a water rinse for final clean-up.

SECTION 7 STORAGE AND HANDLING

HANDLING: For Industrial Use Only. Avoid skin and eye contact. Wash thoroughly after handling, before eating or drinking, and before using the restroom.

STORAGE: KEEP OUT OF REACH OF CHILDREN. Store in closed, properly labeled, original containers. Do not remove or deface label.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS: No special ventilation requirements. General room ventilation is adequate.

PERSONAL PROTECTION:

EYES: Safety glasses with side shields.

HANDS: Gloves; rubber, neoprene, or other impervious material.

RESPIRATORY: No special requirements.

FEET: No special requirements.

BODY: If major exposure is possible, wear suitable, impervious protective clothing.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Light blue liquid. Slight odor.

SPECIFIC GRAVITY: 1.09

VAPOR PRESSURE: Not determined

VAPOR DENSITY: Not determined

SOLUBILITY IN WATER: Complete

pH: 12-12.2

BOILING POINT: 212°F (Approximate)

FREEZING / MELTING POINT: Not applicable

EVAPORATION RATE (Butyl Acetate = 1): < 1

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY (Materials to Avoid): Oxidizing materials.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

SECTION 11 TOXICOLOGICAL INFORMATION

No information available.

SECTION 12 ECOLOGICAL INFORMATION

No information available.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of according to all federal, state and local regulations.

SECTION 14 TRANSPORT INFORMATION

U.S. Department of Transportation:

Not regulated.

SECTION 15 REGULATORY INFORMATION

TSCA: All components of this product are listed on the TSCA inventory.

CERCLA: No reportable ingredients

SARA TITLE III:

Section 311/312 Hazard Category: Acute: Yes Chronic: No Fire: No Pressure: No Reactive Hazard: No

Section 313 Reportable Ingredients: None

SECTION 16 OTHER INFORMATION

NFPA RATING: Health – 1, Flammability – 0, Reactivity – 0

HMIS® RATING: Health – 1, Flammability – 0, Reactivity – 0

HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint and Coatings Association (NPCA).

NOTICE: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all federal, state, provincial, and local laws and regulations.