

MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Hydro-Balance Enviro-Coil Concentrate

Date Prepared Jun. 26, 2001

Product Number(s): H-EC01, H-EC06, H-EC55

Replaces Jan. 23, 2001

Product Use: Coil Cleaner

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)

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
Dipropylene glycol methyl ether	34590-94-8	100 ppm	100 ppm	STEL 150 ppm (Skin)	< 8

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CAUTION! May be irritating to the eyes and skin.

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Causes eye irritation.

SKIN CONTACT: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

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:

May exacerbate existing dermatitis.

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

SECTION 4 FIRST-AID MEASURES

EYE CONTACT:

Wash eyes immediately with large amounts of water (preferably eye wash fountain), lifting the upper and lower eyelids and rotating eyeball. Continue washing for a minimum of 15 minutes. Get medical attention if irritation persists.

SKIN CONTACT:

Remove contaminated clothing. Wash contact area with soap and water. Get medical attention if irritation develops or persists. Launder clothing before reuse.

INHALATION:

Move person to fresh air. If breathing stops, administer artificial respiration. Get medical attention immediately.

INGESTION:

If swallowed, DO NOT induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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:

As in any fire, wear full protective clothing and NIOSH approved, self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

SECTION 6 ACCIDENTAL RELEASE MEASURES

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 approved methods. Use a water rinse for final clean-up.

SECTION 7 STORAGE AND HANDLING

HANDLING:

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

STORAGE:

Store in closed, properly labeled, original containers. Do not remove or deface label or tag.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS:

No special ventilation requirements.

PERSONAL PROTECTION:

Wear safety glasses with side shields and protective gloves. Where spray mist is apparent, use mask for inhalation protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear liquid. Slight odor.

SPECIFIC GRAVITY: 1.05

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 container and unused contents in accordance with federal, state and local requirements.

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). HMIS® materials may be purchased exclusively from Labelmaster, 1-800-621-5808.

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