

MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Hydro-Balance Zip Clean (aerosol)	Date Prepared	May 06, 2009
Product Number(s): ZC-02	Replaces	Sep. 01, 2006
Product Use: Evaporator Coil Cleaner Aerosol		
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
Propane/N-Butane Propellant	68476-86-8	1,000 ppm	1,000 ppm	None known	

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CAUTION! MAY BE IRRITATING TO THE EYES AND SKIN. DO NOT SPRAY NEAR SPARK OR OPEN FLAME.
CONTENTS UNDER PRESSURE. DO NOT PUNCTURE OR INCINERATE CONTAINER.

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: Aerosol flame projection

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.

GENERAL HAZARD: Not considered to be a fire hazard unless propellant gas only is sprayed from can. No flammable gasses escape when liquid product is sprayed normally. Do not spray near spark or open flame.

SPECIAL INFORMATION: At elevated temperatures (above 120°F), aerosol containers may burst.

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: This product uses a flammable aerosol propellant. Do not spray near sparks or open flames such as pilot lights. While the product itself is not considered a flammable aerosol, certain conditions, such as the initial spray of a new can or the final sprays of a used can, could expel propellant gas only which will ignite if exposed to sparks or open flame.
Avoid contact with skin and eyes. Wash thoroughly after handling, before eating or drinking, and before using the restroom. **FOR INDUSTRIAL USE ONLY.**

STORAGE: KEEP OUT OF REACH OF CHILDREN. Store aerosol containers below 120°F. Store in a cool, dry, ventilated area out of direct sunlight. Protect against physical damage in storage and on service vehicle.

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: Green liquid. Slight odor.

SPECIFIC GRAVITY: 1.02

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

Use up contents, replace cap and discard in trash. Disposal of unused, undiluted product is regulated under environmental and transportation laws as a corrosive waste. Dispose of container and unused contents in accordance with federal, state, and local requirements.

SECTION 14 TRANSPORT INFORMATION

U.S. Department of Transportation: Consumer Commodity ORM-D (domestic, ground shipments only)
Aerosols, *non-flammable*, 2.2, UN1950, Ltd. Qty.

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 – 4 (aerosol propellant), Reactivity – 0

HMIS® RATING: Health – 1, Flammability – 4 (aerosol propellant), Reactivity – 0

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