

REC'D FEB 15 1999

MSDS #N15

6111

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration

(Non-Mandatory Form)

Form Approved

OMB No. 1218-0072

CHM00148

X46010102-010



IDENTITY (As Used on Label and List)
HYDRO-BALANCE CLEAR & BLUE BLOC (aerosol)

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

#A-7900 #A-7901

Manufacturer's Name North American Research Corporation	Emergency Telephone Number (972) 492-1800
Address (Number, Street, City, State, and ZIP Code) 519 Huffines Blvd. Lewisville, TX 75056	Telephone Number for Information (972) 492-1800
	Date Prepared 9/02/97
	Signature of Preparer (optional) <i>Robert Cook</i>

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
*Toluene (CAS #108-88-3)	100ppm	50ppm	N/A	
L.P.G. (CAS #68476-85-7)	1000ppm	1000ppm	N/A	

NFPA HAZARD RATING:

SHIPPING DESCRIPTION:

"1" Health

Consumer Commodity ORM-D

"3" Flammability

(Aerosols, Paints NOI)

"0" Reactivity

If the hazardous ingredients are listed with an asterisk*, it is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40CFR Part 372.

Section III — Physical/Chemical Characteristics

Boiling Point	230°F	Specific Gravity (H ₂ O = 1)	0.90
Vapor Pressure (mm Hg.)	38°F	Melting Point	N/A
Vapor Density (AIR = 1)	1	Evaporation Rate (Butyl Acetate = 1)	1.5
Solubility in Water	Insoluble		
Appearance and Odor	Clear to Blue liquid spray; Aromatic solvent odor		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) 45°F (TCC)	Flammable Limits	LEL 1.2	UEL 7.0
Extinguishing Media	Carbon Dioxide, foam, water, dry chemical		
Special Fire Fighting Procedures	Keep containers cool. Use shielding to protect personnel against bursting, rupturing or venting aerosol cans.		

Unusual Fire and Explosion Hazards

Contents under pressure. Flammable mixture. At elevated temperatures (over 130°F), containers may vent, rupture or burst. May develop a flammable atmosphere in confined areas.

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Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid Avoid heating to abnormal temperatures.
	Stable	X	

Incompatibility (Materials to Avoid) Avoid strong oxidizing agents.

Hazardous Decomposition or Byproducts Oxides of carbon. Especially carbon dioxide and carbon monoxide.

Hazardous Polymerization	May Occur		Conditions to Avoid None
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? X Skin? X Ingestion? No (unusual)

Health Hazards (Acute and Chronic)
INHALATION: dizziness and nausea. Excessive breathing of vapors may cause unconsciousness.

EYES: strong irritation.

SKIN: irritation. May cause dryness and defatting of the skin.

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

Signs and Symptoms of Exposure See "Health Hazards" above.

Medical Conditions Generally Aggravated by Exposure Existing dermatitis.

Emergency and First Aid Procedures
INHALATION: remove to fresh air. EYES: flush eyes with water for 15 minutes. Get medical attention.

SKIN: wash thoroughly with soap and water.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled
Remove source of flame, spark or heat and electrical outlets. Wipe up with rags or use absorbent clay material with adequate ventilation. Wipe up residue with a cleaner to remove final traces.

Waste Disposal Method
Replace cap and discard container in trash. Do not puncture or incinerate can. Recycle cap and empty cans if possible. Follow all Federal, State and Local regulations.

Precautions to Be Taken in Handling and Storing
Contents under pressure. Flammable. Store in a cool dry area. Avoid breathing vapors or mists. Keep out of Reach of Children. Keep away from sparks, flame or other sources of ignition.

Other Precautions
For professional use only. Read entire label and MSDS before using. Turn off electrical current before spraying.

Section VIII — Control Measures

Respiratory Protection (Specify Type) Use with adequate ventilation. DO NOT USE IN A CONFINED AREA.

Ventilation	Local Exhaust N/A	Special N/A
	Mechanical (General) N/A	Other N/A

Protective Gloves N/A Eye Protection Safety glasses

Other Protective Clothing or Equipment None required

Work/Hygienic Practices
Always wash hands after use. Do not smoke in work area. Always spray downwind.