

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



IDENTITY (As Used on Label and List)
TOTALINE INDOOR COIL CLEANER

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 #P902-1001, P902-1005, P902-1055

Manufacturer's Name North American Research Corporation	Emergency Telephone Number (972) 492-1800	During Transit-INFOTRAC 800-535-5053
Address (Number, Street, City, State, and ZIP Code) P.O. Box 1318 Lewisville, TX 75067	Telephone Number for Information (972) 492-1800	Date Prepared 9/02/97
	Signature of Preparer (optional) <i>[Handwritten Signature]</i>	

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Sodium Metasilicate (CAS #6834-92-0)	2mg/m ³ 3hr	2mg/m ³ 3hr	N/A	5

NFPA HAZARD RATING: "1" Health "0" Flammable "0" Reactivity	pH = 12-12.5	SHIPPING DESCRIPTION: Compound Cleaning Liquid NOS (Non-Hazardous)
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Section III — Physical/Chemical Characteristics

Boiling Point Initial 212°F	Specific Gravity (H ₂ O = 1) 1.02
Vapor Pressure (mm Hg.) @ 68°F 20	Melting Point N/A
Vapor Density (AIR = 1) 1	Evaporation Rate (Butyl Acetate = 1) 1
Solubility in Water Complete	
Appearance and Odor Green liquid; Slight butyl odor	

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Not flammable	Flammable Limits	LEL N/A	UEL N/A
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Extinguishing Media
Use appropriate extinguishing media for surrounding fire.

Special Fire Fighting Procedures
None. Use current fire fighting procedures and protection gear for surrounding fire.

Unusual Fire and Explosion Hazards
None. However, alkaline vapors/mist may be released when boiling point is reached.

INDOOR COIL CLEANER

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid	None
	Stable	X		

Incompatibility (Materials to Avoid) Sugars or products that may contain sugars.

Hazardous Decomposition or Byproducts None

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? X

Health Hazards (Acute and Chronic)
 Acute: corrosive to the eyes, skin and stomach. Inhalation may result in varying degrees of irritation to the respiratory tract tissue.

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

Signs and Symptoms of Exposure
 Possible reddening of skin due to silicate content. Vapors may be irritating to mucous membranes in the nose and throat.

Medical Conditions
 Generally Aggravated by Exposure May exacerbate an existing dermatitis

Emergency and First Aid Procedures
 INHALATION: remove to fresh air, INGESTION: drink plenty of water. Induce vomiting, call physician. SKIN: wash thoroughly with water. EYES: flush thoroughly and call physician.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
 Small spills should be flushed with water. Large spills should be soaked up with rags and disposed of in trash receptical.

Waste Disposal Method
 For small spills, flush down drain with plenty of water. For soaked rags, dispose of in garbage recepticle.

Precautions to Be Taken in Handling and Storing
 Avoid skin and eye contact. Use with adequate ventilation. Keep containers out of direct sunlight. Always keep caps tightly closed on containers.

Other Precautions
 For use by trained personnel only. For Industrial and Institutional use only. Keep out of reach of children.

Section VIII — Control Measures

Respiratory Protection (Specify Type)
 In cases where spray mist is apparent, use mask for inhalation protection.

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

Protective Gloves Rubber Eye Protection Plastic goggles

Other Protective Clothing or Equipment Long sleeve shirt is recommended

Work/Hygenic Practices
 Wash hands thoroughly after use and before eating, drinking or smoking.