

MATERIAL SAFETY DATA SHEET

SECTION I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Product Use:	Formula Index:
Earth Soap® Concentrated Cleaner/Degreaser	Concentrated Cleaner/Degreaser	04
Manufacturer and US Supplier's Name	Canadian Supplier's Name	
Spray Nine Corporation	Spray Nine Canada Ltd.	
Address (Number, Street, City, State, and ZIP Code)	Address (Number, Street, City, State, and ZIP Code)	
251 N. Comrie Avenue	PO Box 35092	
Johnstown, NY 12095	London, Ontario N5W 5Z6	
Emergency Telephone Number	Emergency Telephone Number	
1-800-477-7299 Chemtrec# 1-800-424-9300	Canutec # 1-613-996-6666	
Telephone Number for Information		
518-762-4591 or Fax 518-762-2566		
Signature of Preparer (optional)	Date Prepared	
Michael L. Pozefsky	May 28, 2003	

HMIS Rating: HEALTH- 1 FLAMMABILITY- 0 REACTIVITY- 0 PERSONAL PROTECTION- B
NFPA Rating: HEALTH- 1 FLAMMABILITY- 0 REACTIVITY- 0

WHMIS Rating: D2B-IRRITANT

SECTION II. HAZARDOUS INGREDIENT INFORMATION (Per 29 CFR 1910.1200)

Component	CAS Registry #	wt. %	Exposure Limits	
			ACGIH TLV	OSHA PEL
Ethanolamine	141-43-5	1-5	TWA - 3ppm	6ppm (STEL)
Ethylenediaminetetraacetic acid	60-004	1-5	Not Est.	Not Est.
Poly(oxy 1,2-ethanediyl)-alpha-undecyl- omega-	34398-01-1	1-5	Not Est.	Not Est.

SECTION III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Green liquid. Lemon odor. Concentrated product causes moderate reversible eye irritation. Prolonged or repeated use of concentrated product may cause slight reversible irritation of skin. Mist of concentrated product may cause irritation. May be harmful if large amounts are swallowed.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Concentrated product causes moderate reversible irritation. (Draize score of a similar product 22.3/110)

SKIN CONTACT: Prolonged or repeated use of concentrated product may cause slight reversible irritation. (Draize score of a similar product 1.4/8)

INHALATION: Mist of concentrated product may cause irritation.

INGESTION: May be harmful if large amounts are swallowed.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE: None known. Persons with pre-existing medical conditions or sensitivity may be more susceptible to the effects of exposure.

CHRONIC EFFECTS: None known.

NOTE: The health affects listed above apply to Earth Soap Concentrated Cleaner/Degreaser in its concentrated state. The product, when used at a 3:1 dilution or greater, contains no reportable ingredients under OSHA Haz-Com standard 29 CFR 1910.1200 and is, therefore, expected to be significantly milder and less irritating than the concentrate, upon exposure.

SECTION IV. FIRST AID MEASURES

EYE CONTACT: Flush immediately with water for 15 minutes. If contact lenses are worn, remove immediately as they may contribute to irritation. Contact physician if irritation persists.

SKIN CONTACT: Flush with water for 15 minutes. Contact physician if irritation persists.

INHALATION: Remove to fresh air. If symptoms persist, contact physician immediately.

INGESTION: Do not induce vomiting. Drink plenty of water. Contact physician.

NOTE TO PHYSICIAN: Treat patient symptomatically.

SECTION V. FIRE FIGHTING MEASURES**FLAMMABLE PROPERTIES:**

FLASH POINT: 166°F/74.4°C

METHOD USED: TCC

FLAMMABLE LIMITS

LFL: Not Applicable

UFL: Not Applicable

EXTINGUISHING MEDIA: Alcohol foam, carbon dioxide, or dry chemical.

FIRE & EXPLOSION HAZARDS: None known. Product was tested according to ASTM D 4206 and did not sustain combustion.

FIRE FIGHTING INSTRUCTIONS: Wear respiratory protection and protective clothing. Water may be used to cool fire-exposed containers.

FIRE FIGHTING EQUIPMENT: None known.

SENSITIVITY TO MECHANICAL IMPACT: No sensitivity known.

SENSITIVITY TO STATIC DISCHARGE: No sensitivity known.

SECTION VI. ACCIDENTAL RELEASE MEASURES

Wear suitable protective clothing. Where possible, salvage for use or absorb with suitable material and collect for disposal. Thoroughly rinse area with water.

CAUTION: Spill area may be slippery. For large spills, dike area to prevent spreading and contact appropriate environmental agency.

SECTION VII. HANDLING AND STORAGE

Avoid freezing or excessive heat. Keep container closed when not in use. Keep out of reach of children.

SECTION VIII. PERSONAL PROTECTION / EXPOSURE CONTROLS

EYE PROTECTION: The use of safety glasses is recommended.

SKIN PROTECTION: The use of rubber gloves is recommended for prolonged or repeated use.

RESPIRATORY PROTECTION: Not required under normal conditions of use.

ENGINEERING CONTROLS: None known.

EXPOSURE GUIDELINE (S): Use only in a well ventilated area.

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear, Green	PHYSICAL STATE:	Liquid
BOILING POINT:	~212°F/~100°C	SOLUBILITY IN WATER:	Complete
EVAPORATION RATE:	<1	SPECIFIC GRAVITY:	~1.018 g/ml
FREEZING POINT:	~32°F/~0°C	VAPOR DENSITY:	>1
MELTING POINT:	Not Applicable	VAPOR PRESSURE:	Not Applicable
MOLECULAR WEIGHT:	Not Applicable	VISCOSITY:	Not Applicable
ODOR:	Lemon	% VOLATILE:	~90
pH:	~9.8		

SECTION X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

INCOMPATIBILITY: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and oxides of nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION XI. TOXICOLOGICAL INFORMATION

EYE: A similar product was tested and found moderately irritating. (Rabbit Draize score 22.3/110)

SKIN: A similar product was tested and found slightly irritating. (Rabbit score 1.4/8) (LD50, Rat>5,000 mg/kg)

INHALATION: A similar product was tested and results were >2,100 mg/m³ (LC50, Rat, 4 hour exposure)

INGESTION: A similar product was tested and results were >5,000 mg/kg(LD50, Rat).

SUBCHRONIC: Not Available

CHRONIC / CARCINOGENICITY: Not available. Contains no known carcinogens.

TERATOLOGY: Not Available

REPRODUCTION: Not Available

MUTAGENICITY: Not Available

SENSITIZATION: Not Available

SECTION XII. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Not Available

DISTRIBUTION: Not Available

CHEMICAL FATE INFORMATION: Not Available

SECTION XIII. DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state and local regulations.

SECTION XIV. TRANSPORT INFORMATION (Not meant to be all inclusive)

D.O.T. SHIPPING NAME: Not Regulated (Product does not sustain combustion).

CANADIAN TDG SHIPPING NAME: Not Regulated

TECHNICAL SHIPPING NAME: Not Applicable

D.O.T. HAZARD CLASS: Not Applicable

U.N. / N.A. NUMBER: Not Applicable

PRODUCT RQ (LBS): Not Applicable

D.O.T. LABEL: Not Applicable

D.O.T. PLACARD: Not Applicable

FREIGHT CLASS BULK: Not Applicable

FREIGHT CLASS PACKAGE: Not Applicable

PRODUCT LABEL: Not Available

SHIPPING PRECAUTIONS: Avoid freezing or excessive heat.

SECTION XV. REGULATORY INFORMATION (Not meant to be all inclusive - selected regulation represented)

TSCA STATUS: All ingredients in this product are either on the inventory or are exempt from being listed.

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None

SECTION 311/312 HAZARDOUS CATEGORIES: Acute Hazard

SECTION 313 TOXIC CHEMICALS: None

RCRA STATUS: Not Applicable

CALIFORNIA PROPOSITION 65: This product is not subject to the reporting requirements under California Proposition 65.

SECTION XVI. OTHER INFORMATION**MSDS STATUS:**

Disclaimer: The information contained herein is based on data we believe to be reliable as of the date of preparation of this Material Safety Data Sheet. The accuracy and completeness of such data are not warranted or guaranteed. We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products may be used. We assume no liability or responsibility for loss or damage resulting from the improper or abnormal use or handling of our products, from incompatible product combinations, from the failure to follow instructions and warnings in the product's label and Material Safety Data Sheet, or from any failure to adhere to recommended practices.