

MATERIAL SAFETY DATA SHEET M.S.D.S.
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I: PRODUCT IDENTIFICATION INFORMATION

TRADE NAME (as labeled): EARTHSAFE MULTI-PURPOSE CLEANER
(CONCENTRATED)

Chemical Name:

Chemical Family:

Formula: AQUEOUS SOLUTION

Synonyms:

EMERGENCY CONTACT: CHEMTREC 1-800-424-9300

MANUFACTURER'S NAME: NACCO/ NATIONAL RESEARCH & CHEMICAL
444 EAST GARDENA BLVD.
GARDENA, CA. 90248
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Date Prepare/ Revised: January 2003

Department of Transportation: (SHIPPING INFORMATION)

Hazardous Classification: Non-Regulated

Shipping Name: Chemical N.O.S.

Dot Class: 55

Packing Group:

UN/NA Number:

II: PHYSICAL PROPERTIES

Physical State:

Appearance: Yellow/Green in color

Vapor Density (air = 1): > 1

Vapor Pressure (at 201C): negligible

Specific Gravity (H2O=1): 1.024

Boiling Point/Range1F: Greater than 200°F

Solubility in Water: Complete

Evaporation Rate: Same as water

Odor: Lemon Scent

pH (of 1% solution): 12.81 (concentrated)

III: COMPOSITION INFORMATION

<u>COMPONENTS</u>	<u>CAS#</u>
DI Water	7732-18-5
Non-ionic Surfactant	9016-45-9
Emulsifiers	64972-19-8
Cleaning Agent	2235-54-3
Dissolving Agent	1445-5-8

IV: POTENTIAL HEALTH HAZARD DATA

EFFECTS OF ACUTE OVER- EXPOSURE:

Eye Contact: Can cause irritation.

Skin Absorption: Prolonged or repeated contact with skin could cause irritation.

Inhalation: Spraying or mist caused by this product could cause irritation.

Skin Contact: May cause irritation.

Swallowing: May cause nausea, dizziness and headache, irritating to mouth, throat and stomach.

Other Health Hazards: None currently known.

CHRONIC, PROLONGED, AND/OR REPEATED OVEREXPOSURE:

V: FIRST AID EMERGENCY PROCEDURES

Eye Contact: Flush with water for at least 15 minutes. If irritation continues, contact physician at once.

Skin Contact: Wash with plenty of soap and water. Remove contaminated clothing and clean before reuse. If irritation continues or develops contact a physician.

Inhalation: Remove immediately too fresh air. If necessary give oxygen.

Swallowed: Contact physician at once. Do not induce vomiting. If conscious, give 2 large glasses of water. Never give anything by mouth to an unconscious person.

Other:

Material Safety Data Sheet: EarthSafe Multi-Purpose Cleaner (concentrated)

IX: SPECIAL HANDLING INFORMATION

Respiratory Protection: None required.

Ventilation: Use in well -ventilated area or fresh air.

Protective Gloves: Rubber or plastic, impervious gloves.

Eye Protection: Safety goggles should be worn in chemical handling.

Other clothing and Equipment: Apron or lab coat.

Work practices, hygienic requirements: Avoid unnecessary personal contact. Wash hands thoroughly with soap and water after handling.

Other handling and storage requirements: Store above 48°F and below 85°F.
KEEP OUT OF REACH OF CHILDREN.

Protective measures during maintenance of contaminated equipment: Provide safety shower and eye bath.

X: OTHER INFORMATION

HMIS RATINGS CHART:

HMIS:
Health: 1 Flammability: 0
Reactivity: 0 Personal Protection: B

XI: REGULATORY INFORMATION

SARA TITLE III - SECTION 311/312:

N- Fire Hazard
N-Sudden release of pressure hazard
N-Reactivity hazard
N-Immediate health hazard (acute)
Y-Delayed health hazard (chronic)

SARA TITLE III - SECTION 302/304:

This product does not contain extremely hazardous substances at levels, which could require reporting.

SARA TITLE III = SECTION 313:

This product does not contain toxic chemicals at levels, which require reporting.

OZONE - DEPLETING CHEMICALS:

None

Material Safety Data Sheet: EarthSafe Multi-Purpose Cleaner (concentrated)

CERCLA REPORTABLE QUANTITY:

None

TSCA STATUS:

All components of these products are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

OSHA REGULATIONS:

Do not apply to this material or it's components. At levels which require reporting.

CALIFORNIA PROPOSITION 65:

This product does not contain chemicals known to the State of California to cause cancer.

CALIFORNIA SCAQMO RULE 443.1:

VOC - not applicable.