

MATERIAL SAFETY DATA SHEET

The CLEAN ENVIRONMENT Company, Inc.

PO BOX 4444

Lincoln, Nebraska 68504 USA

Phone (402) 464-0988

Printed: March 24, 1993

HAZARD RATINGS (0=Least, 1=Slight, 2=Moderate, 3=High, 4=Severe)

HEALTH = 1
FIRE = 0
REACTIVITY = 0
EQUIPMENT = 0

SECTION I - PRODUCT DESCRIPTION

PRODUCT NAME: THE NATURAL NON-AMMONIATED GLASS CLEANER
PRODUCT CODE: N-13
GENERAL DESCRIPTION: All Surface Spray Cleaner
CHEMICAL NATURE: Solvent/Water/Surfactant Blend

SECTION II - PRODUCT COMPOSITION (OSHA Listed Potentially Hazardous Ingredients)

CAS# 67-63-0 2-Propanol <15%

ACGIH - TWA 400ppm, 985MG/M3, STEL 500ppm, 1,230MG/M3

OSHA Z-1-A - PEL 400ppm, 980MG/M3; TWA 400ppm, 980MG/M3; STEL 500ppm, 1225MG/M3

This chemical is listed by the IARC

SECTION III - PHYSICAL PROPERTIES

BOILING RANGE: NE
SPECIFIC GRAVITY: (Water = 1) .976 ± .02
VAPOR PRESSURE AT 20C: (MM of HG) Equivalent to water
VAPOR DENSITY: (Air = 1) Equivalent to water
SOLUBILITY IN WATER: Infinite
SOLUBILITY IN SOLVENT: 15%
EVAPORATION RATE: Equivalent to water
APPEARANCE: Clear liquid
ODOR: Alcohol
PH RANGE: Not Applicable

SECTION IV - FIRE AND EXPLOSION DATA

LOWER FLAMMABILITY LIMITS: (% In Air) Not Determined
FLASH POINT: (And Method) Not pertinent
FLAMMABILITY CLASSIFICATION: Not Flammable
UNUSUAL FIRE/EXPLOSION HAZARDS: None known to The CLEAN ENVIRONMENT Co., Inc.
RECOMMENDED EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical powder
SPECIAL FIRE FIGHTING PROCEDURES: None known to The CLEAN ENVIRONMENT Co., Inc.

CYCLE-GLASS

SECTION V - HEALTH INFORMATION

ACUTE TOXICITY: See effects of overexposure and other effects off overexposure below.
THRESHOLD LIMIT VALUE: Not Established

EFFECTS OF OVEREXPOSURE: Ingestion: Irritating to the gastrointestinal tract, causing abdominal pain and vomiting, sometimes bloody. Ingestion may cause CNS depression, Low blood pressure, rapid heart beat and liver damage. Eye contact: Moderate eye irritant. Skin contact: Mildly irritating to skin. Skin absorption: Systemically toxic concentrations will probably not be absorbed through the skin in humans. Inhalation: May cause mild irritation to the nose, throat and respiratory tract and may result in Central Nervous Depression (CNS).

OTHER EFFECTS OF OVER EXPOSURE: Irritating as noted above. Early to moderate CNS (Central Nervous System Depression) may be evidenced by giddiness, headache, dizziness and nausea; In extreme cases, unconsciousness, respiratory depression and death may occur. Liver damage may be evidenced by loss of appetite, jaundice (yellowish skin color) and sometimes pain in the upper abdomen on the right side.

AGGRAVATED MEDICAL CONDITIONS: Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. Impaired function from preexisting disorders may be aggravated by exposure to this product.

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.

SKIN CONTACT: If irritation occurs remove contaminated clothing and footwear. Wash material off the skin with plenty of water. Wash clothing and footwear before reuse. Get medical attention if irritation persists.

INHALATION: Remove to fresh air and provide oxygen if breathing is difficult. Get medical attention.

INGESTION: Do not give liquids if victim is unconscious or very drowsy. Otherwise, give no more than two glasses of water and induce vomiting by giving 30cc (2 tablespoons) Syrup of Ipecac. If Ipecac is unavailable, give two glasses of water and induce vomiting by touching finger to back of victim's throat. Keep victim's head below hips while vomiting. Get medical attention.

NOTE TO PHYSICIAN: If victim is a child, give no more than 1 glass of water and 15cc (1 tablespoon) syrup of Ipecac. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage should be considered following incubation with a cuffed endotracheal tube.

SECTION VI - REACTIVITY DATA

STABILITY: Stable under normal conditions

CONDITIONS TO AVOID: None known to The CLEAN ENVIRONMENT Co., Inc.

INCOMPATIBILITY WITH OTHER MATERIALS: None known to The CLEAN ENVIRONMENT Co., Inc.

HAZARDOUS DECOMPOSITION MATERIALS: None known to The CLEAN ENVIRONMENT Co., Inc.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION VII - FIRE AND SPILL/LEAK PROCEDURES

IN CASE OF FIRE: No special precautions

PROCEDURES IF MATERIAL IS SPILLED OR RELEASED: Where possible flush down drain to waste treatment sewer; otherwise on small spills, use chemical absorbent and sweep up. For large spills, contain and collect.

WASTE DISPOSAL PROCEDURES: Dispose of this product or its residues in accordance with all local, state and federal requirements.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required for recommended use

LOCAL EXHAUST: Normal room ventilation

PROTECTIVE GLOVES AND CLOTHING: None required

EYE PROTECTION: None required for recommended use. If need is determined use safety glasses or face shield.

OTHER PROTECTIVE EQUIPMENT: As determined by or recommended by federal state or local regulations.

SECTION IX - STATE REGULATORY INFORMATION

Isopropyl Alcohol at a level between 10% and 15% is found in this product. This chemical is specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

LIST CA, California Hazardous Substances Act and California Safe drinking water and toxics enforcement act. FL, Florida Substances List. IL, Illinois Toxic Substances List. MA, Massachusetts Substances List. ME, Maine Hazardous Substances List. MN, Minnesota Hazardous Substances List. NJ, New Jersey Hazardous Substances List. PA, Pennsylvania Hazardous Substances List. RI, Rhode Island Hazardous Substances List.

The information herein is presented in good faith and believed to be correct as of the date hereof. However, Clean Environment makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representation or warranties, either express or implied, of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder.

Clean Environment shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or the use of or reliance upon information contained herein.