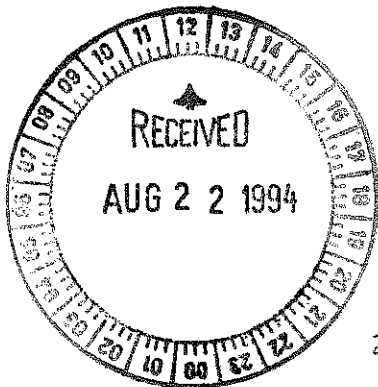




National Sanitary Supply Co.
P.O. Box 61126
Los Angeles, Ca 90061
(213) 770-1970

8/17/94
2814 KELLER, MICHAEL D.

12300

OREGON CITY SD CANDY LANE
5901 SE HULL STREET
MILWAUKIE OR 97267-6599

Material Safety Data

Dear Customer,

Enclosed are the Material Safety Data Sheets (MSDSs) for products that your company recently purchased from National Sanitary Supply as required by the federal OSHA Hazard Communication Final Standard 29 CFR 1910.1200.

National Sanitary is providing its customers with MSDSs to comply fully with the provisions of OSHA Standard and, by so doing, is attempting to help reduce in number and severity the incidence of chemical source injuries and illnesses in the workplace. It is hoped that by increasing the awareness of all who handle "hazardous" materials, the risk of injury will thereby be reduced. Please make these MSDSs readily available to all employees handling the chemicals.

Additionally, under the Standard, all chemical products are to have labels which are in English, legible and prominently displayed on the container. Please refuse any shipment of products in which the labels have become either disattached or illegible.

This letter and accompanying MSDS (s) were generated by our computer system which has been programmed to automatically print and mail MSDSs upon a customer's initial order of a "hazardous" product and when any updates occur in MSDSs already provided.

If you still have questions regarding the Standard or the interpretation of information on the MSDS (s) provided, please contact your appropriate sales representative.

Sincerely,

Maria F. Frias
Executive Administration

NATIONAL SANITARY SUPPLY CO.
13217 S. Figueroa Street
Los Angeles, California 90061
Emergency No. 1-800-535-5053 (INFOTRAC)
Call 1-310-323-3541 (NSS Regulatory Affairs)
For MSDS Information.

MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF PRODUCT

Product Name: VORTEX NON ACID
DISINFECTANT BOWL CLEANER

Date Issued: 02/15/94
Supercedes: 12/01/93
National Item#: 2517XX

SECTION 2. INGREDIENTS CAS NUMBER PERCENT EXPOSURE LIMITS IN AIR OSHA PEL ACGIH TLV OTHER

*2-BUTOXYETHANOL	111-76-2	5-10%	25PPM	25PPM
FRAGRANCE	NONE	<1	N/D	N/D
COLOR	NONE	<1	N/D	N/D
WATER	7732-18-5	BALANCE	N/A	N/A
N-ALKYL DIMETHYLBENZYL				
AMMONIUM CHLORIDE	68391-01-5	0.105%	N/D	N/D
N-ALKYL DIMETHYLETHLBENZYL				
AMMONIUM CHLORIDE	68956-79-6	0.105	N/D	N/D

N/A = Not Applicable; N/D = Not Determined
*THIS (THESE) MATERIAL (S) ARE SUBJECT TO THE REPORTING REQUIREMENTS UNDER
SARA TITLE III, SECTION 313 AND 40 CFR PART 372.

SECTION 3. PHYSICAL DATA

Boiling Point (F): <212 F
Vapor Pressure (mm Hg.): N/D
Vapor Density (Air=1): N/D
Solubility in Water: SOLUBLE
Appearance and Odor: LT. BLUE LIQUID/FLORAL SCENT
Specific Gravity (Water=1): 1.101
Percent Volatile (By Volume): >99%
Evaporation Rate (Water=1): <1
pH Range: Rate: N/D

Section 4. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Deg.F): 147F. (P.M.C.C. METHOD)
Flammable Limits: N/A LEL= N/A UEL= N/A
Extinguishing Media: CO2, DRY CHEMICAL, FOAM, WATER FOG

Special Fire Fighting Procedures: WEAR FULL BODY PROTECTIVE GEAR INCLUDING
NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL AND USE
CAUTION WHEN APPROACHING OR HANDLING FIRE-EXPOSED CONTAINERS.

Unusual Fire & Explosion Hazards: CONTAINERS MAY BURST IN HEAT.

SECTION 5. PHYSICAL HAZARDS

Stability: STABLE

Incompatibility - Materials to Avoid: ANIONIC DETERGENTS. DO NOT MIX WITH
OTHER CHEMICALS.

Hazardous Polymerization: WILL NOT OCCUR

Conditions to Avoid: NONE KNOWN TO NSS.

Hazardous Decomposition Products: PRODUCES NORMAL PRODUCTS OF COMBUSTION
WHEN EXPOSED TO FIRE.

SECTION 6. SPILL, LEAK AND DISPOSAL PROCEDURES

Small Spills: DILUTE WITH WATER AND PICK UP WITH MOP AND PAIL OR WET
Large Spill: PICK-UP VACUUM DIKE AREA TO CONTAIN SPILL. CLEAN UP USING
ABSORBENT MATERIAL. PLACE ALL CONTAMINATED MATERIAL IN A CLOSED CONTAINER
FOR DISPOSAL.
Disposal: DILUTED PRODUCT MAY BE FLUSHED TO SEWER. UNDILUTED PRODUCT SHOULD
BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
Cont. Disp.: TRIPLE RINSE EMPTY CONTAINER THOROUGHLY WITH WATER AND DISCARD
IN REGULAR TRASH COLLECTION IF ALLOWED BY LOCAL, STATE AND FEDERAL
REGULATIONS.

MATERIAL SAFETY DATA SHEET

PAGE 2

Product Name: VORTEX NON ACID DISINFECTANT BOWL CLEANER #325

National Item #: 2517

Date Issued: 02/15/94

SECTION 7. HEALTH HAZARD DATA

Route(s) of Entry: INHALATION, SKIN, INGESTION, EYES.

Overexposure Symptoms:

Eye Contact: MILD EYE IRRITANT.

Skin Contact: MILD SKIN IRRITANT. PROLONGED/REPEATED CONTACT WITH UNDILUTED PRODUCT MAY CAUSE IRRITATION.

Inhalation: NONE KNOWN WITH NORMAL USE UNDER WELL VENTILATED CONDITIONS. HIGH AIRBORN CONCENTRATIONS OF MISTS OR SPRAYS MAY CAUSE IRRITATION OF THE UPPER RESPIRATORY TRACT.

Ingestion: INGESTION OF THIS PRODUCT MAY CAUSE DAMAGE TO THE MEMBRANES OF THE MOUTH, THROAT, AND GASTROINTESTINAL TRACT; STOMACH PAIN/CRAMPS. VOMITING/DIARRHEA MAY OCCUR. LD50 NOT ESTABLISHED

Chronic Health Hazards: NONE KNOWN TO NSS.

Acute Health Hazards: NONE KNOWN TO NSS.

Carcinogenicity: THE ITEMS IN SECTION 2 ARE NOT LISTED ON THE OSHA, NTP OR IARC MONOGRAPH CARCINOGEN LISTS.

SECTION 8. EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: IMMEDIATELY FLUSH THE EYE WITH LARGE QUANTITIES OF FRESH, RUNNING WATER FOR A MINIMUM OF 15 MINUTES. HOLD EYELIDS APART DURING IRRIGATION TO ENSURE FLUSHING OF THE ENTIRE SURFACE OF THE EYE LID WITH WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

Skin Contact: FLUSH THE EFFECTED AREA WITH RUNNING WATER. REMOVE CONTAMINATED CLOTHES AND SHOES. WASH CLOTHING BEFORE REUSE. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

Inhalation: REMOVE FROM CONTAMINATED AREA. IF SYMPTOMS OF RESPIRATORY DISCOMFORT PERSISTS, GET MEDICAL ATTENTION.

Ingestion: REQUIRES IMMEDIATE MANAGEMENT. DRINK MILK OR WATER. VOMITING SHOULD BE INDUCED ONLY ON RECOMMENDATION OF MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION 9. SPECIAL PROTECTION INFORMATION

Respiratory Protection: NONE UNDER NORMAL USE CONDITIONS.

Ventilation: REQUIRES NORMAL VENTILATION.

Protection Gloves: N/A UNDER NORMAL USE. RECOMMEND IF HANDLING CONCENTRATE.

Eye Protection: OSHA APPROVED EYEGLASSES/GOGGLES IF HANDLING CONCENTRATE. CONTACT LENSES SHOULD NOT BE WORN.

Other Measures: WASH WITH SOAP AND WATER AFTER HANDLING OR BEFORE USING HYGIENIC FACILITIES.

SECTION 10. ADDITIONAL INFORMATION AND PRECAUTIONS

Handling and Storage: STORE IN COOL, DRY PLACE.

NFPA RATING:	HEALTH -1	FIRE -2	REACTIVITY -0	SPECIAL -0
HMIS RATING:	HEALTH -1	FIRE -2	REACTIVITY -0	PROTECTION -B

PARA TITLE III H&P RATING: Acute - YES; Chronic - NO; Fire - NO;
Press Release - NO; Reactivity - NO;

SECTION 11. REGULATORY CLASSIFICATIONS

HM-181 PROPER SHIPPING NAME (DOT):

HM-181 DESCRIPTION (DOT):

UN NUMBER:

OTHER:

THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET REPRESENTS THE LATEST
DATA AND BEST OPINION AS TO THE PROPER USE AND HANDLING OF THIS PRODUCT
UNDER NORMAL CONDITIONS. ANY USE OF THIS PRODUCT OR METHOD OF
APPLICATION WHICH IS NOT IN CONFORMANCE WITH THIS DATA SHEET AND THE
PRODUCT LABEL DIRECTIONS, IS THE RESPONSIBILITY OF THE USER. THIS
MATERIAL SAFETY DATA SHEET WAS PREPARED TO COMPLY WITH THE OSHA HAZARD
COMMUNICATION REGULATION.
