

912K
CENTURY PAPERS INC
4902 GULF FREEWAY
HOUSTON, TEXAS 77023
PHONE NO. 713/ 928-5171
EMERGENCY PHONE NO. 800-535-5053

Vandalex Mark Remover

MANUFACTURER:
QUEST CHEMICAL CORPORATION
12255 FM 529
HOUSTON, TEXAS 77041
EMERGENCY PHONE NO. 713-896-8188

SHEET NO. 0920

SECTION 1- PRODUCT IDENTIFICATION

PRODUCT NAME: NSS VANGUARD

FORMULA: 221/225

QUEST ITEM: 221

ITEM NO. 407-0909, 499-0366, 499-8995

HMIS CODES: REACTIVITY: 1, FLAMMABILITY: 2, HEALTH: 2, PERSONAL PROT: 2

REVISION DATE: 08-16-93

SECTION 2- HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

NAME:	CAS NO.	OSHA PEL:	ACGIH TLV:	OTHER: %
L.P.G.	68476857	1000 PPM	1000 PPM	N/A
TOLUENE	*108883	200 PPM	100 PPM	N/A

COMMENTS:

THIS PRODUCT CONTAINS THE TOXIC CHEMICALS MARKED WITH AN * SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND THE COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.

SECTION 3- PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 230	SPECIFIC GRAVITY: (WATER =1) 0.90
VAPOR PRESSURE (MM HG): 38	MELTING POINT: N/A
VAPOR DENSITY: (AIR =1) 1	EVAPORATION RATE: 1
SOLUBILITY IN WATER: 100 %	(BUTYL ACETATE =1)
APPEARANCE AND ODOR: CLEAR SPRAY, AROMATIC SOLVENT ODOR	

SECTION 4- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 65F.TCC
EXTINGUISHING MEDIA: STANDARD CHEMICAL FIRE EXTINGUISHER
SPECIAL FIRE FIGHTING PROCEDURES: NONE
FLAMMABLE LIMITS: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: FLAMMABLE. CONTENTS UNDER PRESSURE
EXPOSURE TO TEMPERATURES ABOVE 120 F. MAY CAUSE BURSTING.

SECTION 5- REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID: TEMPERATURES ABOVE 120 F.

INCOMPATIBILITY (MATERIALS TO AVOID):
SOME PLASTICS. PRE-TEST PLASTICS TO BE SPRAYED BEFORE USING.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NONE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: NONE

SECTION 6- HEALTH HAZARD DATA

ROUTES OF ENTRY: INHALATION: YES, SKIN: YES, INGESTION: YES
HEALTH HAZARDS (ACUTE AND CHRONIC)
INHALATION: WILL CAUSE DIZZINESS, ANESTHESIA AND POSSIBLY DEATH IF
BREATHED DIRECTLY. EYES: CAUSES TEMPORARY CORNEAL OPACITY, CAUSE
SEVERE IRRITATION. SKIN: LOCALIZED DEFATTING OF SKIN AND
IRRITATION. INGESTION: SEE BELOW.

CARCINOGENICITY:

NTP: NO, IARC MONOGRAPHS: NO, OSHA REG: NO.

SIGNS AND SYMPTOMS OF EXPOSURE:

INGESTION: MAY CAUSE NAUSEA, VOMITING, DIARRHEA AND RESTLESSNESS.
ASPIRATION INTO THE LUNGS CAN CAUSE SEVERE CHEMICAL PNEUMONITIS OR
PULMONARY HEMORRHAGE, WHICH CAN BE FATAL.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE TO FRESH AIR.
EYES: FLUSH WITH WATER FOR 15 MINUTES AND CONTACT PHYSICIAN.
SKIN: WASH WITH SOAP AND WATER. TREAT AFFECTED AREAS OF SKIN WITH
MOISTURIZER AND CONTACT PHYSICIAN.
INGESTION: DO NOT INDUCE VOMITING. CONTACT PHYSICIAN IMMEDIATELY.

TRADE NAME: VANGUARD

PRODUCT NO. 407-0909, 499-0366, 499-8995

SECTION 7- PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

WIPE UP WITH RAG OR USE SOME ABSORBENT CLAY MATERIAL FOR LARGE
SPILLS. DISPOSE OF RESIDUE IN ACCORDANCE WITH FEDERAL, STATE AND
LOCAL GUIDELINES.

WASTE DISPOSAL METHOD:

WRAP CONTAINER IN OLD NEWSPAPER AND PLACE IN TRASH COLLECTION.
DO NOT REUSE EMPTY CONTAINER.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

DO NOT USE OR STORE NEAR HEAT, SPARKS, OR OPEN FLAME. EXPOSURE TO
TEMPERATURES ABOVE 120 F. MAY CAUSE BURSTING.

OTHER PRECAUTIONS: DO NOT PUNCTURE OR INCINERATE CONTAINER.

SECTION 8- CONTROL MEASURES

RESPIRATORY PROTECTION: N/A

VENTILATION:

LOCAL EXHAUST: N/A

MECHANICAL: N/A

SPECIAL: N/A

OTHER: N/A

PROTECTIVE GLOVES: N/A

EYE PROTECTION: N/A

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

WORK/HYGIENIC PRACTICES: N/A

CENTURY PAPERS INC.

P.O. BOX 1908

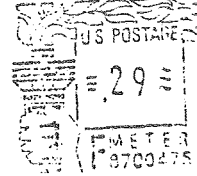
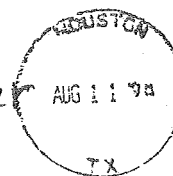
Houston, TEXAS 77251-1908

912K

Vandalex Mark Remover

8-17-94

(8-189)



DEL RIO ISO

P O BOX 420128

DEL RIO TX 78842

78842-0128

IMPORTANT: SAFETY DATA INFORMATION
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DEAR VALUED CUSTOMER,

ENCLOSED ARE THE MATERIAL SAFETY DATA SHEETS (MSDS) FOR PRODUCTS THAT YOUR COMPANY RECENTLY PURCHASED FROM CENTURY PAPERS, INC. THIS INFORMATION IS REQUIRED BY THE FEDERAL OSHA HAZARD COMMUNICATION FINAL STANDARD 29 CFR 1910.1200.

WE ARE PROVIDING OUR CUSTOMERS WITH MSDS TO COMPLY FULLY WITH THE PROVISIONS OF THE OSHA STANDARD AND ARE ATTEMPTING TO HELP REDUCE IN NUMBER AND SEVERITY THE INCIDENCE OF CHEMICAL SOURCE INJURIES AND ILLNESS 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 MSDS READILY AVAILABLE TO ALL EMPLOYEES HANDLING THESE PRODUCTS.

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 UNATTACHED OR ILLEGIBLE.

SINCERELY,

DON THOMAS

LOGISTICS SERVICES