

E I DUPONT DE NEMOURS & CO INC -- ACRYLIC LACQUER PRIMER AND SEALERS, 70S --
8010-00-430-0193

===== Product Identification =====

Product ID:ACRYLIC LACQUER PRIMER AND SEALERS, 70S

MSDS Date:01/01/1995

FSC:8010

NIIN:00-430-0193

MSDS Number: CFMQK

=== Responsible Party ===

Company Name:E I DUPONT DE NEMOURS & CO INC

Address:1007 MARKET ST

City:WILMINGTON

State:DE

ZIP:19899

Country:US

Info Phone Num:

800-441-7515

Emergency Phone Num:800-441-3637

CAGE:0ERJ7

=== Contractor Identification ===

Company Name:E I DUPONT DE NEMOURS & CO, INC.

Address:1007 MARKET STREET

City:WILMINGTON

State:DE

ZIP:19898

Country:US

Phone:800-441-7515

CAGE:0ERJ7

Company Name:E.I. DUPONT DE NEMOURS & CO

Address:1007 MARKET STREET

Box:City:WILMINGTON

State:DE

ZIP:19898

Country:US

Phone:800-441-7515;800-441-9442

CAGE:18873

===== Composition/Information on Ingredients =====

Ingred Name:ACETONE (SARA 31

3) (CERCLA). VP: 184.0 @ 20C
CAS:67-64-1
RTECS #:AL3150000
OSHA PEL:1000 PPM
ACGIH TLV:750PPM/1000STEL;9495
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ACETIC ACID, BUTYL ESTER; (N-BUTYL ACETATE) (CERCLA). VP:
8.0 @ 20C
CAS:123-86-4
RTECS #:AF7350000
OSHA PEL:150 PPM
ACGIH TLV:150 PPM/200STEL;9495
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:CARBON BLACK
CAS:1333-86-4
RTECS #:FF5800000
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3; 9495

Ingred Name:PHTHALIC ACID,DIBUTYL ESTER;
(DIBUTYL PHTHALATE) (SARA 313)
(CERCLA) VP: 1 @ 20C
CAS:84-74-2
RTECS #:TI0875000
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3; 9495
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:MALEIC MODIFIED RESIN ESTER; (ESTER GUM)
CAS:68038-41-5
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:TALC (POWDER), CONTAINING NO ASBESTOS FIBERS; (HYDROUS
MAGNESIUM SILICATE)
CAS:14807-96-6
RTECS #:WW2710000
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:ISOPROPYL ALCOHOL (SARA 313); VP: 33.0
CAS:67-63-0
RTECS #:NT8050000

OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9495

Ingred Name:METHANOL; (METHYL ALCOHOL) (SARA 313) (CERCLA). VP: 100.0 @ 20C

CAS:67-56-1
RTECS #:PC1400000
Fraction by Wt: 2%
OSHA PEL:S, 200 PPM
ACGIH TLV:S,200PPM/250STEL; 95
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:2-PENTANONE,4-METHYL-; (METHYL ISOBUTYL KETONE) (SARA 313) (CERCLA). VP: 15.0 @ 20C

CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 1%
OSHA PEL:100 PPM
ACGIH TLV:50 PPM/75 STEL; 9495
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:NITROCELLULOSE

CAS:9004-70-0
RTECS #:QW0970000
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:TITANIUM OXIDE; (TITANIUM DIOXIDE)

CAS:13463-67-7
RTECS #:XR2275000
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9495

Ingred Name:TOLUENE (SARA 313) (CERCLA). VP:36.7 @ 20C

CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 17%
OSHA PEL:200 PPM; Z-2
ACGIH TLV:S, 50 PPM; 9495
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:VM & P NAPHTHA

CAS:64742-89-8
OSHA PEL:N/K
ACGIH TLV

:N/K

Ingred Name:EFTS OF OVEREXP:ACTIVITY IN ANIMALS HAS BEEN INCONCLUSIVE.
ING4:MAY CAUSE MODERATE EYE BURNING. EXTREMELY HIGH (ING 16)
RTECS #:9999999ZZ

Ingred Name:ING 15:ORAL DOSES HAVE CAUSED EMBRYOTOXIC EFTS IN LAB
ANIMALS. HIGH ORAL DOSES HAVE CAUSED DMG TO THE SPERM (ING 17)
RTECS #:9999999ZZ

Ingred Name:ING 16:SPERM PRODUCING CELLS OF THE TESTIS. INGEST STUDIES
ON LAB ANIMALS SHOWED THAT VARY HIGH ORAL KIDNEY (ING 18)
RTECS #:9999999ZZ

Ingred Name:ING 17:WEIGHTS. ING 6:
RPTD & PRLNGD OVEREXP TO TALC MAY
LEAD TO CHRONIC LUNG DISEASE. ING 8:EXCESS (ING 19)
RTECS #:9999999ZZ

Ingred Name:ING 18:HUMAN EXPOS TO METHANOL MAY LEAD TO FATIGUE, HDCH,
ANESTHETIC, NEUROLOGIC EFTS, & VISUAL DIFFICULTIES (ING 20)
RTECS #:9999999ZZ

Ingred Name:ING 19:INCL BLINDNESS/DEATH. RECURRENT OVEREXP MAY RESULT
IN LIVER & KIDNEY INJURY. CAN BE ABSORBED THROUGH THE (ING 21)
RTECS #:9999999ZZ

Ingred Name:ING 20:SKIN IN HARMFUL AMOUNTS. HAS BEEN TOX TO THE FETUS
IN LAB A
NIMALS AT DOSES THAT ARE TOX TO THE MOTHER. (ING 22)
RTECS #:9999999ZZ

Ingred Name:ING 21:ING 9:RECURRENT OVEREXP MAY RESULT IN LIVER AND
KIDNEY INJURY. ING 12:TOLUENE:RECURRENT OVEREXP MAY (ING 23)
RTECS #:9999999ZZ

Ingred Name:ING 22:RESULT IN LIVER AND KIDNEY INJURY. HIGH AIRBORNE
LEVELS HAVE PRODUCED OCCASIONAL PALPITATIONS IN HUMANS. (ING 24)
RTECS #:9999999ZZ

Ingred Name:ING 23:ING 13:MAY CAUSE TEMPORARY UPPER RESP &/OR LUNG
IRRITATION W/COUGH, DIFFICULT BREATHING, OR SHORTN

ESS OF BREATH.
RTECS #:9999999ZZ

Ingred Name:EYE PROT:AND FULL LENGTH FACESHIELD .
RTECS #:9999999ZZ

===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:TOULENE APPEARS ON NAVY LISTING OF
OCCUP CHEM REPRO HAZ. SEEK CONSULTATION FROM APPROP HLTH
PROFESSIONALS CONCERNING LATEST

HAZ LIST INFO & SAFE HNDLG & EXPOS

INFO . GENERAL EFTS:INGEST:GI DISTR ESS. INHAL:MAY CAUSE NOSE &
THOAT IRRIT. RPTD & PRLNG OVEREXP TO SOLV MAY LEAD TO PERM BRAIN &
(EFTS OF OVEREXP)

Explanation of Carcinogenicity:CARBON BLACK:IARC MONOGRAPHS, VOL 65, PG
24-27, 1995: GROUP 2B.

Effects of Overexposure:HLTH HAZ:NERVOUS SYS DMG. EYE WATERING, HDCHS,
NAUSEA, DIZZ & LOSS OF COORDINATION ARE SIGNS THAT SOLV LEVELS ARE
TOO HIGH. SKIN/EYE CNTCT:MAY CAUSE IRRIT/BURNING OF EYES.

RPT/PRLNGD LIQ CNTCT MAY CAU SE SKIN IRRIT W/DISCOMFORT & DERM.
SPECIFIC EFACTS:ING 2:MAY CAUSE ABNORMAL LIVER FUNCTION.
EMBRYOTOXIC (ING 15)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid:INGESTION:CALL A PHYSICIAN IMMEDIATELY AND HAVE THE NAMES OF
INGREDIENTS AVAILABLE. INHAL:IF AFFECTED BY INHALATION OF VAPOR OR
SPRAY MIST, REMOVE TO FRESH AIR. IF BREATHING DIFFICULTY PERSI

STS,

OR OC CURS LATER, CONSULT A PHYSICIAN. EYE:IMMEDIATELY FLUSH WITH
PLENTY OF WATER FOR AT LEAST 15 MINUTES; CALL A PHYSICIAN.

SKIN:WASH WITH SOAP AND WATER. IF IRRITATION OCCURS, CONTACT A
PHYSICIAN.

===== Fire Fighting Measures =====

Flash Point Method:CC

Flash Point:20.0F,-6.7C

Lower Limits:0.2%

Upper Limits:36.5%

Extinguishing Media:WATER SPRAY, FOAM, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL P

ROTECTIVE

EQUIPMENT . WATER FROM FOG NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILDUP.

Unusual Fire/Explosion Hazard:WHEN HEATED ABOVE FLASH POINT, EMITS FLAMMABLE VAPS WHICH, WHEN MIXED W/AIR, CAN BURN/BE EXPLOSIVE. FINE MISTS/SPRAYS MAY BE FLAMM AT TEMP BELOW FLASH POINT.

===== Accidental Release Measures =====

Spill Release Procedures:VENVILATE AND REMOVE SOURCES OF IGNITION. PREVENT SKIN CONTACT AND BREATHING OF VAPOR

. WEAR A PROPERTY FITTED VAPOR/PARTICULATE RESPIRATOR (NIOSH/OSHA TC-23C). CONFINE AND REMOVE WITH INERT ABSORBENT .

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:OBSERVE LABEL PRECAUTIONS. KEEP AWAY FROM HEAT, SPARKS & FLAME. CLOSE CONTAINER AFTER EACH USE. GROUND CNTNRS WHEN POURING.

Other Precautions:DO NOT SAND, FLAME OUT, BRAZE OR WELD DRY COATING WITHOUT A NIOSH APPROVED RESPIRATOR OR APPROPRIATE VENTILATION.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:DO NOT BRTH VAPORS/MIST. WEAR A PROPERLY FITTED VAPOR/PARTICULATE RESP APPRVD BY NIOSH (TC-23C) FOR USE W/PAINTS DURING APPLICATION & UNTIL ALL VAPORS & SPRAY MISTS ARE EXHAUSTED. IN CONFINED SPACES/I N SITUATIONS WHERE CONTINUOUS (SUPDAT)

Ventilation:PROVIDE SUFFICIENT VENTILATION IN VOLUME AND PATTERN TO KEEP CONTAMINANTS BELOW APPLICABLE

OSHA REQUIREMENTS.

Protective Gloves:NEOPRENE GLOVES.

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS(ING 25)

Other Protective Equipment:EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA. . COVERALLS ARE RECOMMENDED.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR SMOKING.

Supplemental Safety and Health

RESP PROT:SPRAY OPERATIONS ARE TYPICAL OR PROPER RESPIRATOR FITS IS NOT POSSIBLE, WEAR A NIOSH APPRVD POSITIVE-PRESSURE, SUPPLIED-AIR R

RESPIRATOR (TC-19C) IN ALL CASES FOLLOW THE RESPIRATOR MANUFACTURER'S DIRECTIONS FOR RESPIRATOR. DO NOT PERMIT ANYONE WITHOUT PROTECTION IN THE PAINTING AREA.

===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:>129F,>54C
Vapor Pres:SEE INGS
Vapor Density:HVR/AIR
Spec Gravity:1.07
VOC Grams/Liter:4.1
Evaporation Rate & Reference:LESS THAN ETHER
Solubility in Water:MISCIBLE
Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.
Percent Volatiles by Volume:>69.4

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
NONE REASONABLY FORESEEABLE.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:CO, CO*2, SMOKE.

===== Disposal Considerations =====

Waste Disposal Methods:DO NOT ALLOW MATERIAL TO CONTAMINATE GROUND WATER SYSTEMS. INCINERATE ABSORBED MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REQUIREMENTS. DO NOT INCINERATE IN CLOSE CONTAINERS.

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent

ent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.