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Product ID:DOLPH-SPRAY MSDS Date:01/17/1990 FSC:5970 NIIN:00-076-8988 **MSDS Number: BPBHX** === Responsible Party === Company Name: DOLPH JOHN C CO Address:WEST NEW RD Box:267 **City: MONMOUTH JUNCTION** State:NJ ZIP:08852-9513 Country:US Info Phone Num:201-329-2333 Emergency Phone Num:201-329-2333 CAGE:72688 === Contract or Identification === Company Name: JOHN C. DOLPH COMPANY Address:NEW ROAD Box:267 **City: MONMOUTH JUNCTION** State:NJ ZIP:08852 Country:US Phone:908-329-2333 CAGE:72688 Company Name: LAMINATED MATERIALS CORP. Address:162 W LIPPINCOTT ST Box:6710 City:PHILADELPHIA State:PA ZIP:19133-4221 Country:US Phone:215-425-4100 CAGE:20200

Ingred Name:TOLUENE (SARA III) CAS:108-88-3 RTECS #:XS5250000 Fraction by Wt: 10-20% OSHA PEL:200 PPM/150 STEL ACGIH TLV:50 PPM; 9293 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name: METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III) CAS:78-93-3 RTECS #:EL6475000 Fraction by Wt: 1% OSHA PEL:200 PPM/300 STEL ACGIH TLV:200 PPM/300STEL 9192 EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS Ingred Name: ACETONE (SARA III) CAS:67-64-1 RTECS #:AL3150000 Fraction by Wt: 20-30% OSHA PEL:1000PPM ACGIH TLV:750PPM/1000STEL;9293 EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS Ingred Name: METHYL CHLOROFORM (1,1,1-TRICH LOROEHANE) (SARA III) CAS:71-55-6 RTECS #:KJ2975000 Fraction by Wt: 5-10% Other REC Limits:NONE RECOMMENDED OSHA PEL:350 PPM/450 STEL ACGIH TLV:350 PPM/450STEL;9293 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS **Ozone Depleting Chemical:1** Ingred Name: PROPANE CAS:74-98-6 RTECS #:TX2275000 Fraction by Wt: 25-30% OSHA PEL:1000 PPM ACGIH TLV:ASPHYXIANT; 9192

Ingred Name:ISOBUTYL ACETATE (SARA III) CAS:110-19-0 RTECS #:AI4025000 Fraction by Wt: 5-10% Other REC Limits:NONE RECOMMENDED OSHA PEL:150 PPM ACGIH TLV:150 PPM; 9293 EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL ACETATE (SARA III) CAS:141-78-6 RTECS #:AH5425000 Fraction by Wt: 15-25% Other REC Limits:NONE RECOMMENDED OSHA PEL:400 PPM ACGIH TLV:400 PPM; 9293 EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name:DI-SEC-OCTYL PHTHALATE (DI-2-ETHYLHEXYL-PHTHALATE) (SARA III) CAS:117-81-7 RTECS #:TI0350000 Fraction by Wt: 1% Other REC Limits:NONE RECOMMENDED OSHA PEL:5 MG/M3/10 STEL ACGIH TLV:5 MG/M3; 9293 EPA Rpt Qty: 100 LBS DOT Rpt Qty:100 LBS

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: MAY CAUSE SKIN AND EYE IRRITATION ON CONTACT. MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN. MAY CAUSE RESPIRATORY SYSTEM IRRITATION OR CENTRAL NERVOUS SYSTEM DEPRESSION IF VAPORS INHALED. MAY CA USE IRRITATION OF GI TRACT OR CENTRAL NER

VOUS SYSTEM DEPRESSION IF SWALLOWED.CHRONIC: DERMATITIS,LIVER/KIDNEY DAMAGE.

Explanation of Carcinogenicity:DIOCTYL PHTHALATE IS LISTED AS A SUSPECTED CARCINOGEN (MANUFACTURER).

Effects of Overexposure:BURNING OF EYES, REDNESS AND CRACKING OF THE SKIN, DROWSINESS, DIZZINESS, LOSS OF COORDINATION AND FATIGUE, VOMITING.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR RESPIRATORY TRACT MAY BE

AT INCREASED RISK FROM EXPOSURE.

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOV E CONTAMINATED CLOTHING. WASH WITH SOAPAND WATER. IF IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION: INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET I MMEDIATE

MEDICAL ATTENTION.

Flash Point Method:TCC Flash Point:40.0F,4.4C Lower Limits:1.8 Upper Limits:12.0 Extinguishing Media:USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE. Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CA USE AEROSOL

CANS TO RUPTURE.

Spill Release Procedures:STAY UPWIND AND AWAY FROM SPILL. KEEP ALL SOURCES OF IGNITION AND HOT METAL SURFACES AWAY FROM SPILL. USE SAND OR OTHER INERT MATERIAL TO CONTAIN SPILL. DO NOT FLUSH AREA WITH WATER, KEEP OUT OF DRAIN S. USE ABSORBENT PADS. Neutralizing Agent:NOT APPLICABLE.

Handling and Storage Precaution

s:STORE IN A COOL, DRY, WELL VENTILATED

AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. KEEP AWAY FROM SOURCES OF IGNITION.

Other Precautions: EMPTY CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, ETC. ON THE CONTAINER.

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

Respiratory Protection: IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE AND DUST/MIST PRE-FILTER RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/ WARNINGS AND NIOSH-RESPIRATOR SELECTION. Ventilation: MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE. LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA NOT VENTED. Protective Gloves: PLASTIC OR RUBBER Eye Protection: SAFETY GOGGLES WITH OPTIONAL FACE SHIELD Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED. Work Hygienic Practices: OBSERVE GOOD PE **RSONAL HYGIENE PRACTICES AND** RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR. Supplemental Safety and Health AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS. HCC:V3 Boiling Pt:B.P. Text:40.0F,4.4C

HCC:V3 Boiling Pt:B.P. Text:40.0F,4.4C Vapor Density:4.0(AIR=1) Spec Gravity:0.8 Evaporation Rate & amp; Reference:>1 (N-BUTYL ACETATE=1) Solubility in Water:NEGLIGIBLE Appearance and Od or:ORANGE; SOLVENT ODOR Percent Volatiles by Volume:75-85

Stability Indicator/Materials to Avoid:YES THIS MATERIAL IS INCOMPATIBLE WITH STRONG ACIDS OR BASES, OXIDIZING AGENTS, AND SELECTED AMINES. Stability Condition to Avoid:HIGH TEMPERATURE STORAGE. Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

Waste Disposal Methods: DISPOSAL SHOULD

BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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