

MATERIAL SAFETY DATA SHEET

8/9/2010

MANUFACTURER OR DISTRIBUTOR: Holbein, Osaka
P.O. Box 555
175 Commerce Street
Williston, Vermont 05495

INFORMATION TELEPHONE NUMBER: 800-682-6686
EMERGENCY TELEPHONE NUMBER: 802-862-4573

00494-0002
-0005

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: HOLBEIN DUO OIL
MEDIUMS & VARNISHES

PRODUCT SIZES: 55, 200 AND 300ML

PRODUCT CLASS: ALKYD PAINTING
MEDIUMS (LIQUID)

PRODUCT NUMBER: DMV

BRAND NAME: HOLBEIN DUO OIL MEDIUMS &
VARNISHES

SECTION II - HAZARDOUS INGREDIENTS

<u>Ingredient</u>	<u>CAS #</u>	<u>PEL/TLV (MG/M#)</u>	<u>Max % Weight</u>	<u>NTP</u>	<u>IARC</u>
ALKYLOXY POLY ETHYLENE OXY ETHANOL	68131-40-8	N/A	4.00000	N	N
PETROLEUM DISTILLATES	N/A	525.00	55.00000	N	N

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: N/A

VAPOR PRESSURE: N/A

SPECIFIC VAPOR DENSITY (AIR=1): N/A

SOLUBILITY IN WATER: N/A

APPEARANCE AND ODOR:

MELTING POINT: N/A

SPECIFIC GRAVITY: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION IV - FIRE AND EXPLOSION INFORMATION**FLASH (closed cup):**

<u>Medium</u>	<u>Flash Point (oC)</u>	<u>Autoignition temp (oC)</u>
DUO PAINTING OIL MEDIUM	48 oC	272 oC
DUO BRUSH CLEANER	not flammable (water-based product)	
DO522 STAND LINSEED OIL	306 oC	NA
DUO LINSEED OIL	306 oC	NA
DU466 QUICK DRYING MEDIUM GLOSS	not flammable (water-based product)	
DO529 QUICK DRYING LIQUID	not flammable (water-based product)	
DU467 QUICK DRYING MEDIUM MAT	not flammable (water-based product)	

COMPANY: Holbein, Osaka
PRODUCT: DMV
BRAND NAME: HOLBEIN DUO OIL MEDIUMS & VARNISHES

8/9/2010

EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL MEDIA REQUIRED
FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION HAZARDS: RAGS, STEEL WOOL OR WASTE SOAKED WITH THIS PRODUCT MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. Rags or waste paper soaked with this material can burn spontaneously. Store in sealed metal container. Dispose of under water or by hanging out to dry. **COMBUSTIBLE.**

SECTION V - PHYSICAL HAZARDS/REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: NONE
STABILITY: STABLE CONDITIONS TO AVOID: NONE
INCOMPATIBILITY (MATERIALS TO AVOID): NONE
HAZARDOUS DECOMPOSITION PRODUCTS: NONE

SECTION VI - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL: SEE SECTION II FOR COMPONENT PEL/TLVs
PRIMARY ROUTES OF ENTRY: INHALATION, INGESTION, EYE, SKIN

EFFECTS AND SYMPTOMS OF ACUTE EXPOSURE: VAPOR HARMFUL. SKIN IRRITANT. EYE IRRITANT. EXPOSURE MAY RESULT IN NAUSEA, HEADACHE, CONFUSION OR INSTABILITY. Exposure may result in nausea, headache, confusion or instability. **HARMFUL OR FATAL IF SWALLOWED. VAPOR HARMFUL. CONTACT MAY RESULT IN IRRITATION OF THE SKIN. CONTACT MAY RESULT IN REDNESS OR PAIN OF THE EYES.**

EFFECTS AND SYMPTOMS OF CHRONIC EXPOSURE: NONE EXPECTED

CARCINOGEN LISTING: NTP: NO IARC: NOOSHA: NO

SEE SECTION II FOR COMPONENTS AFFECTED

MEDICAL CONDITIONS USUALLY AGGRAVATED BY OVER EXPOSURE TO THIS PRODUCT: NONE

FIRST AID MEASURES: If eye contact occurs, rinse with tap water for 5-10 minutes. If irritation persists, seek medical care. If swallowed, do not induce vomiting. Call a physician or poison control center immediately. If inhalation symptoms occur, move to fresh air. If skin contact occurs, wash with soap and water for 5 minutes. If symptoms persist, see a physician.

SECTION VII - SPILL OR LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN DURING STORAGE AND HANDLING: Do not store or use near heat or flame. **KEEP OUT OF REACH OF CHILDREN.**

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: NO SPECIAL SPILL PROCEDURES REQUIRED.

WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION VIII - PROTECTIVE EQUIPMENT/CONTROL MEASURES

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use NIOSH-certified respirator with an organic vapor cartridge. Use only with adequate ventilation.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC): Immediately after use, place soiled material in a sealed water-filled metal container. When using wear impermeable protective gloves.

COMPANY: Holbein, Osaka
 PRODUCT: DMV
 BRAND NAME: HOLBEIN DUO OIL MEDIUMS & VARNISHES

8/9/2010

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Avoid ingestion. Wash hands immediately after use. Keep away from eyes.

SECTION IX - ADDITIONAL INFORMATION AND WARNINGS

THIS INFORMATION SHEET IS FOR CONSUMER USE ONLY.
 ADDITIONAL INFORMATION AND WARNINGS: NONE REQUIRED

SECTION X - COLOR INFORMATION

THIS MSDS APPLIES TO THE FOLLOWING COLORS WHICH ARE ASSOCIATED WITH HAZARDOUS AND/OR NON-HAZARDOUS INGREDIENTS

<u>Product Color</u>	<u>Hazardous Ingredient</u>
DO522 STAND LINSEED OIL	(none)
DO529 QUICK DRYING LIQUID	(none)
DU466 QUICK DRYING MEDIUM GLOSS	(none)
DU467 QUICK DRYING MEDIUM MAT	(none)
DUO BRUSH CLEANER	ALKYLOXY POLY ETHYLENE OXY ETHANOL ALKYLOXY POLY ETHYLENE OXY ETHANOL
DUO LINSEED OIL	(none)
DUO PAINTING OIL MEDIUM	PETROLEUM DISTILLATES PETROLEUM DISTILLATES PETROLEUM DISTILLATES

Woodhall Stopford, MD, MSPH

Woodhall Stopford, MD, MSPH 8/9/2010