

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

~~ILLER PAINT CO.~~ INC.  
 12730 N.E. WHITAKER WAY  
 PORTLAND, OR 97230

INFORMATION AND EMERGENCY  
 TELEPHONE NUMBER:  
 503-255-0190

NAME OF PRODUCT: Q.D. RANCHO STAIN  
 PRODUCT NUMBER: ~~5850~~ 5854  
 PRODUCT CLASS: SOLVENT-BASED COATING  
 PREPARATION DATE: 11/25/85

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT (BY WEIGHT)	EXPOSURE LIMITS		VAPOR PRESSURE MM HG @68F
		TLV (PPM)	PEL (MG/M3)	
MINERAL THINNER	45.5-46.0	125		5 @ 77 F

SECTION III - PHYSICAL DATA

BOILING RANGE (F): 148-430 VAPOR DENSITY: HEAVIER THAN AIR  
 EVAPORATION RATE: SLOWER THAN ETHER 61.3 % VOLATILE BY VOLUME  
 WEIGHT PER GALLON (IN POUNDS): 9.2-9.3

SECTION IV - FIRE & EXPLOSION HAZARDS

DOT FLAMMABILITY CLASSIFICATION: COMBUSTIBLE LIQUID  
 SETAFLASH FLASH POINT (F): 105 LEL: 0.7 %  
 EXTINGUISHING MEDIA:  
 FOAM, 'ALCOHOL' FOAM, CO2, DRY CHEMICAL, WATER FOG.

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
 CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. KEEP  
 CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL  
 EQUIPMENT AND OPEN FLAME. APPLICATION TO HOT SURFACES REQUIRES  
 SPECIAL PRECAUTIONS. SOLVENT VAPORS CAN TRAVEL TO AN IGNITION SOURCE  
 AND FLASH BACK. FINE SPRAYS/MISTS MAY BE COMBUSTIBLE AT TEMPERATURES  
 BELOW NORMAL FLASH POINT. DURING EMERGENCY CONDITIONS, OVEREXPOSURE  
 TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY  
 NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

SPECIAL FIRE FIGHTING PROCEDURES:  
 KEEP PEOPLE AWAY. DO NOT ENTER CONFINED FIRE SPACE WITHOUT PROPER  
 PROTECTIVE EQUIPMENT INCLUDING A NIOSH APPROVED SELF-CONTAINED  
 BREATHING APPARATUS. COOL CLOSED CONTAINERS WITH WATER. FULL STREAM  
 WATER MAY BE INNEFFECTIVE AS AN EXTINGUISHING METHOD, BUT IS HELPFUL  
 IN KEEPING NEARBY CONTAINERS COOL. AVOID SPREADING BURNING LIQUID  
 WITH WATER USED FOR COOLING PURPOSES.

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SECTION V - HEALTH HAZARD DATA  
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## HAZARDS:

EYES: MAY CAUSE IRRITATION

DERMAL: PROLONGED AND REPEATED CONTACT CAN CAUSE SKIN IRRITATION, DRYNESS, DEFATTING, DERMATITIS.

INGESTION: MAY CAUSE HEADACHE, GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, DIARRHEA, WEAKNESS, AND IN SUFFICIENT QUANTITIES MAY BE FATAL. ASPIRATION OF LIQUID MUST BE AVOIDED AS LIQUID CONTACT WITH LUNGS CAN RESULT IN CHEMICAL PNEUMONITIS AND PULMONARY EDEMA/HEMORRAGE.

INHALATION: SOLVENT VAPORS, MISTS OR RESIDUAL MONOMERS CAN CAUSE DROWSINESS, COUGH, BRONCHITIS, BLURRED VISION, IRRITATION OF MEMBRANES OF THE RESPIRATORY TRACT, ASPHYXIATION AND SIGNS OF CENTRAL NERVOUS SYSTEM DEPRESSION SUCH AS HEADACHE, DIZZINESS, NAUSEA, WEAKNESS AND LOSS OF COORDINATION. REPEATED AND PROLONGED EXPOSURE MAY CAUSE PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

PRIMARY ROUTE(S) OF ENTRY: DERMAL, INHALATION, INGESTION.

## EMERGENCY &amp; FIRST AID PROCEDURES:

SPLASH (EYES): FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. TAKE TO A PHYSICIAN FOR MEDICAL TREATMENT.

SPLASH (SKIN): WASH EFFECTED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT PHYSICIAN IF IRRITATION PERSISTS.

INGESTION: DRINK 1 OR 2 GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING. CONSULT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY.

INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. TREAT SYMPTOMATICALLY. CONSULT A PHYSICIAN.

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SECTION VI - REACTIVITY DATA  
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STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: NORMAL COMBUSTION FORMS CARBON DIOXIDE; INCOMPLETE COMBUSTION CAN PRODUCE CARBON MONOXIDE.

CONDITIONS TO AVOID: HIGH TEMPERATURES AND EXTREME HEAT.  
OXIDIZING MATERIALS.

INCOMPATIBILITY (MATERIALS TO AVOID): MAY REACT WITH OXIDIZING MATERIALS. AVOID HEAT, SPARKS AND OPEN FLAME.

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SECTION VII - SPILL OR LEAK PROCEDURES  
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
KEEP UNNECESSARY PEOPLE AWAY. CLEAN UP SPILLS AS SOON AS POSSIBLE.  
ELIMINATE ALL SOURCES OF IGNITION. HANDLING EQUIPMENT MUST BE  
GROUNDED TO PREVENT SPARKING. USE NON-SPARKING TOOLS. VENTILATE  
ENCLOSED SPACES. AVOID BREATHING VAPORS. WEAR PROTECTIVE  
EQUIPMENT, OBSERVING PRECAUTIONS IN SECTIONS IV THROUGH VIII.  
DIKE AND CONTAIN SPILL WITH INERT MATERIAL (CLAY, SAND, ETC.). SOAK  
UP RESIDUE WITH AN ABSORBANT SUCH AS CLAY OR DIATOMACEOUS EARTH.  
PLACE IN NON-LEAKING CONTAINERS, SEAL TIGHTLY AND LABEL PROPERLY  
FOR DISPOSAL. A FIRE OR HEALTH HAZARD MAY STILL EXIST SINCE THESE  
MATERIALS WILL ONLY ABSORB LIQUID; THEY WILL NOT ABSORB VAPORS.  
WASTE DISPOSAL: OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS  
CONCERNING HAZARDOUS WASTE.

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SECTION VIII - SAFE HANDLING AND USE INFORMATION  
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RESPIRATORY PROTECTION: IF EXPOSURE CAN POTENTIALLY EXCEED TLV,  
OR FOR APPLICATION WITH SPRAY EQUIPMENT, USE NIOSH  
APPROVED SELF CONTAINED BREATHING EQUIPMENT. IF  
EXPOSURE DATA IS LACKING, ASSUME TLV IS EXCEEDED.  
VENTILATION: PROVIDE ADEQUATE VENTILATION (WITH EXPLOSION PROOF  
EQUIPMENT) TO MAINTAIN EXPOSURE LEVEL BELOW TLV.  
PROTECTIVE GLOVES: USE SOLVENT RESISTANT GLOVES TO PREVENT CONTACT.  
EYE PROTECTION: SAFETY EYEWEAR INCLUDING SPLASH GUARDS, CHEMICAL  
GOGGLES OR FACE SHIELDS RECOMMENDED (REQUIRED FOR SPRAY APPLICATION).  
OTHER PROTECTIVE EQUIPMENT: REMOVE CONTAMINATED CLOTHING AND ALLOW  
SOLVENT TO EVAPORATE BEFORE RE-USE.  
HYGIENIC PRACTICES: WASH HANDS BEFORE EATING, DRINKING, SMOKING OR  
USING THE WASHROOM.

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SECTION IX - SPECIAL PRECAUTIONS  
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:  
KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE OR USE NEAR  
HEAT, SPARK, OPEN FLAME OR OXIDIZERS. STORE AND USE ONLY IN WELL  
VENTILATED AREAS. AVOID BREATHING VAPORS OR SPRAY MIST. AVOID EYE  
OR SKIN CONTACT. WASH THOROUGHLY AFTER HANDLING. READ AND OBSERVE  
PRECAUTIONS ON PRODUCT LABEL AND THIS SHEET. KEEP OUT OF REACH OF  
CHILDREN. 'EMPTY' CONTAINERS MAY BE HAZARDOUS FROM RESIDUES OF  
PRODUCT AND VAPOR AND ALL CAUTIONS OF THIS SHEET APPLY TO THEM.  
OTHER PRECAUTIONS:  
DRUMS OF THIS MATERIAL SHOULD BE GROUNDED AND BONDED WHEN POURING.

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THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET IS  
BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT.  
HOWEVER, WE ASSUME NO RESPONSIBILITY FOR ANY INACCURACIES THAT MAY  
SUBSEQUENTLY BE PROVEN. PURCHASER ASSUMES ALL RISK IN HIS USE  
OF THE MATERIAL EVEN WHEN RECOMMENDED SAFETY PROCEDURES ARE FOLLOWED,  
AS MANUFACTURER CANNOT PRESCRIBE SAFETY MEASURES FOR ALL POSSIBLE  
COMBINATIONS OF USE, ENVIRONMENT, AND SUSCEPTABILITY OF ALL PERSONS  
TO CHEMICAL SUBSTANCES.