

**MATERIAL SAFETY DATA SHEET****MANUFACTURER' FOR**

KWAL PAINT  
3900 JOLIET  
DENVER, CO 80239

**DATE OF PREPARATION**

September 1, 2011

SUPERSEDES 9/1/04 12/1/03 12/1/01 11/1/94

12/1/98 12/1/96 9/01/08

**EMERGENCY TELEPHONE NO.**

HEALTH EMERGENCIES CALL:  
L.A. POISON CONTROL CENTER  
(213)664-2121 (24 HOURS)  
CHEMTREC (800)424-9300

**INFORMATION PHONE NO.**

(816)523-7466

**SECTION I-PRODUCTION IDENTIFICATION**

<b>PRODUCT NUMBER</b>	0-88361-81620-24	<b>HMIS CODE</b>	HEALTH 3
<b>PRODUCT NAME</b>	LIQUID DYNAMITE PAINT REMOVER		FLAMMABLE 0
<b>PRODUCT CLASS</b>	SOLVENT-MIXED		REACTIVITY 0
			PERSONAL PROTECTION G

**SECTION II-HAZARDOUS INGREDIENTS**

INGREDIENT	CAS#	PERCENT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE mmHg @ 20 C
			TLV-TWA (PPM)	PEL (PPM)	
METHYLENE CHLORIDE	75-09-2	<85%	50	25	350
METHANOL	67-56-1	<04%	200	200	96
ETHANOL	64-17-5	<20%	1000	1000	57
VM&P NAPHTA	8032-32-4	<10%	300	400	5.6

**OSHA PEL is 25 ppm TWA 125 ppm short-term exposure limits for METHYLENE CHLORIDE.**

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372:

75-09-2	METHYLENE CHLORIDE	< 90%
67-56-1	METHANOL	< 04%

THIS INFORMATION MUST BE INCLUDED IN ALL MSDSs THAT ARE COPIED AND DISTRIBUTED FOR THE MATERIAL.

**SECTION III-PHYSICAL DATA**

**BOILING RANGE** 103-342 DEGREES F      **VAPOR DENSITY-** HEAVIER THAN AIR  
**EVAPORATION RATE** - SLOWER THAN ETHER      **VOLATILE VOLUME** 99% **WT/GAL** 9.9 LBS.  
**APPEARANCE**-THIS PRODUCT IS A CLEAR LIQUID WITH A LITTLE GREEN COLOR AND HAS A CHARACTERISTIC ODOR.

**SECTION IV-FIRE AND EXPLOSION HAZARD DATA**

**FLAMMABILITY CLASSIFICATION** OSHA XX  
**FLASH POINT** =NO FLASH TO BOILING (P-MCC)  
NON-FLAMMABLE      **LEL** .9%  
**MAY BECOME FLAMMABLE AFTER EVAPOTATION OCCURS**

**UNUSUAL FIRE AND EXPLOSION HAZARDS**-KEEP WORK AREAS FREE OF HOT METAL SURFACES AND OTHER SOURCES OF IGNITION. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUMS (EVEN EMPTY) BECAUSE SUBSTANCE ( EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY. BLENDS CONTAINING CHLORINATED PRODUCTS MAY EXHIBIT REDUCED FLASHPOINT AS THE MORE VOLATILE CHLORINATE EVAPORATES. CONTACT WITH ALUMINUM PARTS IN A PRESSURIZED FLUID SYSTEM MAY CAUSE VIOLENT REACTIONS.

**SPECIAL FIREFIGHTING PROCEDURES**

WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE-PRESSURE MODE WHEN FIGHTING FIRES. WATER MAY BE UNSUITABLE AS AN EXTINGUISHING MEDIA, BUT HELPFUL IN KEEPING ADJACENT CONTAINERS COOL. AVOID SPREADING-BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

EXTINGUISHING MEDIA      CO2    DRY CHEMICAL    WATER FOG

### SECTION V-HEALTH HAZARD DATA

**EFFECTS OF OVEREXPOSURE- ACUTE:** CAUSES EYE IRRITATION, REDNESS AND TEARING. PROLONGED OR REPEATED SKIN CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, AND DERMATITIS. EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, AND POSSIBLE UNCONSCIOUSNESS AND EVEN ASPHYXIATION. SWALLOWING CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. **CHRONIC:** OVEREXPOSURE TO METHYLENE CHLORIDE CAN RAISE THE LEVEL OF CARBON MONOXIDE IN THE BLOOD CAUSING CARDIOVASCULAR STRESS. METHYLENE CHLORIDE HAS BEEN SHOWN TO CAUSE CANCER IN CERTAIN LABORATORY ANIMALS. RISK TO YOUR HEALTH DEPENDS ON LEVEL AND DURATION OF EXPOSURE, OVEREXPOSURE TO THIS MATERIAL HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: LIVER ABNORMALITIES, EYE DAMAGE.

**MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:**

PRE-EXISTING LIVER, BLOOD, AND CARDIOVASCULAR DISORDERS.

**PRIMARY ROUTE (S) OF ENTRY:**    DERMAL            INHALATION

**EMERGENCY AND FIRST AID PROCEDURES- EYES:** FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. CONSULT A PHYSICIAN. **SKIN:** THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. REMOVE CONTAMINATED SHOES PROMPTLY. DISCARD SHOES SATURATED WITH THIS PRODUCT. **INHALATION:** REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM AND QUIET AND CONSULT A PHYSICIAN. **DO NOT GIVE STIMULANTS.** EPINEPHRINE OR EPHEDRINE MAY ADVERSELY AFFECT THE HEART WITH FATAL RESULTS. **INGESTION:** IMMEDIATELY GIVE 1 OR 2 GLASSES OF WATER AND CALL A PHYSICIAN, HOSPITAL EMERGENCY ROOM, OR POISON CONTROL CENTER FOR WAY TO INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON WARM AND QUIET AND GET MEDICAL ATTENTION IMMEDIATELY.

**COMMENTS:** THIS SUBSTANCE HAS NOT BEEN IDENTIFIED AS A CARCINOGEN OR A PROBABLE CARCINOGEN BY NTP OR OSHA. METHYLENE CHLORIDE IS LISTED AS A POTENTIAL CARCINOGEN (2B) BY IARC. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE (SOMETIMES REFERRED TO AS SOLVENT OR PAINTERS SYNDROME). INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

### SECTION VI-REACTIVITY DATA

**STABILITY:** STABLE X

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

**HAZARDOUS DECOMPOSITION PRODUCTS:**

MAY FORM TOXIC MATERIALS: CARBON DIOXIDE AND CARBON MONOXIDE, HYDROGEN CHLORIDE, PHOSGENE.

**CONDITIONS TO AVOID:**

EXCESSIVE HEAT AND POOR VENTILATION!!!!!!!!!!

**INCOMPATIBILITY (MATERIAL TO AVOID)**

AVOID CONTACT WITH ALUMINUM OR STRONG OXIDIZING AGENTS.

## SECTION VII-SPILL OR LEAK PROCEDURES

**SPILL, LEAK AND WASTE DISPOSAL PROCEDURES:** STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED.

**LARGE SPILLS:** ELIMINATE POTENTIAL SOURCES OF IGNITION. WEAR APPROPRIATE RESPIRATOR AND OTHER PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK ONLY IF SAFE TO DO SO. DIKE AND CONTAIN. REMOVE WITH EXPLOSION-PROOF EQUIPMENT. SOAK UP RESIDUE WITH NONCOMBUSTIBLE ABSORBENT SUCH AS CLAY OR VERMICULITE; PLACE IN DRUMS FOR PROPER DISPOSAL. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE; DISPOSE OF FLUSH SOLUTIONS IN DRUMS.

**SMALL SPILLS:** SOAK UP WITH A NONCOMBUSTIBLE ABSORBENT AND PLACE IN DRUMS FOR DISPOSAL. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE; COLLECT FLUSH SOLUTIONS FOR DISPOSAL.

**WASTE DISPOSAL METHODS:** DISPOSE OF IN A FACILITY APPROVED UNDER RCRA REGULATIONS FOR HAZARDOUS WASTE. CONTAINERS MUST BE LEAK-PROOF AND PROPERLY LABELED.

## SECTION VIII-SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:**

IF THRESHOLD LIMIT VALUE (TLV) OF THE PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA JOINTLY APPROVED **AIR SUPPLIED RESPIRATOR** IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONDITIONS. OSHA REGULATION ALSO PERMITS OTHER NIOSH/MSHA RESPIRATORS UNDER SPECIFIED CONDITIONS. (SEE YOUR SAFETY EQUIPMENT SUPPLIER.) ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE. PREVENT OVEREXPOSURE IN ACCORDANCE WITH 29CFR 1910.134.

**OSHA HAS NEW STANDARDS FOR METHYLENE CHLORIDE WITH AN 8-HOUR TWA PERMISSIBLE EXPOSURE LIMIT (PEL) OF 25 ppm (USING RESPIRATORS OR ENGINEERING CONTROLS) AND A SHORT-TERM EXPOSURE LIMIT (STEL) OF 125 ppm BY MEANS OF ENGINEERING CONTROLS FOR MANY APPLICATIONS.**

**VENTILATION:**

PROVIDE SUFFICIENT GENERAL AND /OR LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(s). USE EXPLOSION-PROOF VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS BELOW THE TLV. VAPORS ARE HEAVIER THAN AIR, EXHAUST AT FLOOR LEVEL.

TURN OFF PILOT LIGHTS AND BURNERS, METHYLENE CHLORIDE AND NATURAL GAS CAN CAUSE COROSION WHEN MIXED OVER A LONG PERIOD OF TIME.

**PROTECTIVE CLOTHING:**

WEAR PROTECTIVE CLOTHING AS REQUIRED TO PREVENT SKIN CONTACT.

**PROTECTIVE GLOVES:**

WEAR SOLVENT-RESISTANT GLOVES, SUCH AS PVA OR PE/EVAL.

**EYE PROTECTION:**

CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED; HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES. (CONSULT YOUR SAFETY EQUIPMENT SUPPLIER.) DO NOT WEAR CONTACT LENSES BECAUSE THEY MAY CONTRIBUTE TO THE SEVERITY OF AN EYE INJURY.

**OTHER PROTECTIVE EQUIPMENT:**

SOLVENT-RESISTANT BOOTS AND HEADGEAR; SAFETY SHOWER AND EYEWASH.

**SECTION IX-SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

STORE AWAY FROM OXIDIZING MATERIALS IN A COOL DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM HEAT AND OPEN FLAMES. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT DISPENSING PRODUCT.

WASH UP WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED, SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE. ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED. VENT CONTAINER FREQUENTLY AND MORE OFTEN IN WARM TEMPERATURES TO RELIEVE PRESSURE. DO NOT USE PRESSURE TO EMPTY THE CONTAINERS. GROUND EQUIPMENT TO PREVENT ACCUMULATION OF STATIC CHARGE. USE ONLY NON-SPARKING TOOLS. DO NOT CUT, GRIND, WELD, OR DRILL ON OR NEAR THIS CONTAINER.

**OTHER PRECAUTIONS:**

ENVIRONMENTAL HAZARDS-THIS PRODUCT IS CONSIDERED AN "OIL" UNDER THE CLEAN WATER ACT. KEEP OUT OF SURFACE WATER AND WATERCOURSES OR SEWERS ENTERING OR LEADING TO SURFACE WATERS.

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**DISCLAIMER:**

THE INFORMATION CONTAINED ON THE MATERIAL SAFETY DATA SHEET HAS BEEN COMPILED FROM DATA CONSIDERED ACCURATE. THIS DATA IS BELIEVED TO BE RELIABLE, BUT IT MUST BE POINTED OUT THAT VALUES FOR CERTAIN PROPERTIES ARE KNOWN TO VARY FROM SOURCE TO SOURCE. CHARLES PAINT RESEARCH, INC. EXPRESSLY DISCLAIMS ANY WARRANTY EXPRESS OR IMPLIED AS WELL AS ANY LIABILITY FOR ANY INJURY OR LOSS ARISING FROM THE USE OF THIS INFORMATION OR THE MATERIALS DESCRIBED. THIS DATA IS NOT TO BE CONSTRUED AS ABSOLUTELY COMPLETE SINCE ADDITIONAL DATA MAY BE DESIRABLE WHEN PARTICULAR CONDITIONS OR CIRCUMSTANCES EXIST. IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE BEST PRECAUTIONS NECESSARY FOR THE SAFE HANDLING AND USE OF THIS PRODUCT FOR THEIR UNIQUE APPLICATION. THIS DATA RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND IS NOT TO BE USED IN COMBINATION WITH ANY OTHER MATERIAL. MANY FEDERAL AND STATE REGULATIONS PERTAIN DIRECTLY OR INDIRECTLY TO THE PRODUCT'S END USE AND DISPOSAL OF CONTAINERS AND UNUSED MATERIAL. IT IS THE PURCHASER'S RESPONSIBILITY TO FAMILIARIZE THEIRSELF WITH ALL APPLICABLE REGULATIONS.