

**MATERIAL SAFETY DATA SHEET**

MEK/METHYL ETHYL KETONE

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**PRODUCT NAME: MEK/METHYL ETHYL KETONE**

**HMIS CODES: H F R P**

PRODUCT CODE: MEK SOLVENT

2 3 0 X

===== **SECTION I - MANUFACTURER IDENTIFICATION** =====

MANUFACTURER'S NAME: RILEY PAINT COMPANY  
ADDRESS: 860 WASHINGTON  
BURLINGTON, IOWA 52601

EMERGENCY PHONE : 1-800-424-9300 DATE PREPARED : 6/9/2011  
INFORMATION PHONE : 319-753-0105 NAME OF PREPARER : Riley Paint Company

===== **SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION** =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE MM HG @ TEMP	WEIGHT PERCENT
* METHYL ETHYL KETONE/2-BUTANONO/MEK OSHA PEL: 200, ACGIH TLV: 200, OTHER: 300 STEL	78-93-3	70.90000 68.00000	100

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.  
N/A

===== **SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS** =====

BOILING RANGE: 175 deg F SPECIFIC GRAVITY (H2O=1): .81  
VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER  
COATING V.O.C.: 6.71 lb/gl MATERIAL V.O.C.: 6.71 lb/gl  
SOLUBILITY IN WATER: insoluble  
APPEARANCE AND ODOR: SOLVENT ODOR, LIQUID, SOME COLOR

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

FLASH POINT: 23 deg F METHOD USED: TCC  
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.80000 UPPER: 11.50000  
EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

**SPECIAL FIREFIGHTING PROCEDURES**

Full protective equipment including self-contained breathing apparatus should be used.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Should be stored in tightly closed containers away from heat, electrical equipment, sparks and open flame.

===== **SECTION V - REACTIVITY DATA** =====

STABILITY: STABLE  
**CONDITIONS TO AVOID**  
Elevated temperatures and open containers.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

Avoid strong oxidizing materials

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

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May produce hazardous fumes when heated to decomposition as in welding. Fumes may contain carbon monoxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

## ===== SECTION VI - HEALTH HAZARD DATA =====

### **INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Anesthetic irritation of the respiratory tract or acute nervous system depression characterized by dizziness, staggering and confusion.

### **SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Severe irritant, redness, tearing and blurred vision. Prolonged or repeated exposure can cause moderate irritation, defatting and dermatitis.

### **SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

PENETRATES SKIN READILY. FREQUENT OR WIDESPREAD CONTACT MAY RESULT IN ABSORPTION OF POTENTIALLY HARMFUL AMOUNTS WHICH CAN CAUSE DAMAGE TO KIDNEYS, LIVER, BLOOD AND/OR BONE MARROW.

### **INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

### **HEALTH HAZARDS (ACUTE AND CHRONIC)**

Acute-Anesthetic irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering, confusion. Skin or eye contact: Primary irritant. Chronic-Extensive and continued over exposure may result in respiratory or skin sensitivity.

**CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No**

**OSHA REGULATED: Yes**

WHEN HANDLED PROPERLY, NO ACUTE OR LONG TERM HAZARD IS EXPECTED

### **MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

### **EMERGENCY AND FIRST AID PROCEDURES**

Remove to fresh air. Wash skin contact area with soap and water. Flush eyes with water and report to a physician immediately.

## ===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition. Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and nonsparking tools.

### **WASTE DISPOSAL METHOD**

Dispose in accordance with local, state and federal regulations. Incinerate in approved facility. Do not incinerate closed containers.

### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Contains Solvent. Keep away from heat, sparks, open flames. Use with adequate ventilation. Avoid prolonged or repeated breathing of vapors. Avoid prolonged or repeated skin contact. Do not leave containers open.

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**OTHER PRECAUTIONS**

Do not take internally. Avoid prolonged contact with skin, ground all containers when pouring. Keep away from open flames.

===== **SECTION VIII - CONTROL MEASURES** =====

**RESPIRATORY PROTECTION**

In restricted areas, use approved chemical mechanical filters to remove gas and vapors. In a confined area, use approved airline type respirators or hoods.

**VENTILATION**

Local exhaust is preferable; however, general mechanical is acceptable. Sufficient ventilation, in volume and pattern, should be provided to keep the vapor concentration below applicable OSHA requirements.

**PROTECTIVE GLOVES**

Use neoprene gloves to prevent skin contact.

**EYE PROTECTION**

Use chemical goggles.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

Safety showers and eyewash fountains

**WORK/HYGIENIC PRACTICES**

Wash hands before eating or using washroom. Smoke in smoking areas only.

===== **SECTION IX - TRANSPORTATION INFORMATION** =====

DOT (USA) STATUS: REGULATED METHYL ETHYL KETONE, 3, UN1193, II  
LABEL: FLAMMABLE LIQUID

===== **SECTION X - DISCLAIMER** =====

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