



# MATERIAL SAFETY DATA SHEET - METHYL ETHYL KETONE

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

Product Name: METHYL ETHYL KETONE  
Product ID No.: UN 1193 WHMIS Class: B2, D2B  
NAERG: 127  
Product Use: Industrial Solvent  
Manufacturer: Shell  
Supplier: Specton Construction Products Ltd.  
12 Wallace Street Unit #2  
Acton, ON L7J 2V6

## SECTION 2 - HAZARDOUS INGREDIENTS

Ingredient	%	CAS#
Methyl Ethyl Ketone	100(W/W)	78-93-3

## SECTION 3 - PHYSICAL DATA

Physical State: Liquid  
Odor & Appearance: Clear, Hydrocarbon odor  
Odor Threshold: Not Available  
Vapor Pressure: >82.5mm Hg @ 20°C  
Vapor Density: 2.5  
Evaporation Rate: 6.0  
Boiling Point: 80°C  
Freezing Point: Not Available  
pH: Not Available  
Specific Gravity: 0.81  
Coef. H<sub>2</sub>O/oil Dist.: Not Applicable

## SECTION 4 - FIRE AND EXPLOSION DATA

Flammability: Yes  
Means of extinction: Water Fog, CO<sub>2</sub>, or Dry Chemicals  
Flashpoint: -7 TCC (Closed Cup)  
Upper Flammable Limit: 11.5%  
Lower Flammable Limit: 1.8%  
Autoignition Temperature: 514  
Hazardous Combustible Products: Vapour forms an explosive mixture with air between upper and lower flammable limits  
Explosion Data: Not Available

## SECTION 5 - REACTIVITY DATA

Chemical Stability: Yes  
Incompatibility: Strong Oxidizing materials, alkalies or mineral acids  
Reactivity: Avoid excessive heat, open flames, welding arcs, or other ignition sources  
Hazardous Decomposition Products: Carbon Monoxide and Carbon Dioxide are produced on combustion

## SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry:  
Skin Contact: Yes Skin Absorption: Not Available  
Eye Contact: Yes Inhalation: Yes  
Ingestion: Yes  
Effects of Acute Exposure:  
Skin: None  
Eyes: Irritation  
Inhalation: Nasal and Respiratory irritation, dizziness, weakness, nausea, headache  
Ingestion: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.  
Effects against Chronic Exposure to Products: Not Available  
Exposure Limits: ACGIH TLV: 200ppm  
Irritancy of Product: Skin, eyes, respiratory tract  
Sensitization to Product: Not listed by IARC  
Carcinogenicity: None  
Teratogenicity: Not Available Reproductive Toxicity: Not Available  
Mutagenicity: Not Available Synergistic Products: Not Available

## SECTION 7 - PREVENTIVE MEASURES

### Personal Protective Equipment:

Use safety goggles.  
Use PVC or neoprene industrial gloves.  
Use protective clothing, with long sleeves and long pants.  
Maintain eye bath in work area.

### Engineering Controls:

Use in mechanically ventilated area.

### Leak and Spill Procedure:

Dispose according to local regulations.

### Waste Disposal:

Dispose according to local regulations.

### Handling Procedures and Equipment:

Handle with care.  
Store in a cool, dry, well-ventilated place away from incompatible materials.  
Vent container frequently, and more often in warm weather, to relieve pressure.  
Keep container tightly closed when not in use. Do not use pressure to empty container.  
Wash thoroughly after handling.  
Do not open containers until at working place.

### Storage Requirements:

Store away from incompatible materials.

### Special Shipping Instructions:

Ship as Dangerous Goods, Proper shipping name: (Methyl Ethyl Ketone, UN 1193, Class 3, Division 2, , Packing Group II.)

## SECTION 8 - FIRST AID MEASURES

Skin Contact: Wash with lots of water  
Eye contact: Wash with lots of water and seek medical attention.

## SECTION 9 - PREPARATION DATE OF MSDS

Prepared by: Specton  
Phone: 1-866-773-2866  
Date: January 4, 2018