



Manufacturers of Industrial & Decorative Coatings

United Paints Limited  
P.O. Box 21 064  
29 Empire Road  
Bridgend  
Christchurch  
Telephone : (03) 323 8743  
Facsimile : (03) 323 7261

## SAFETY DATA SHEET

### M.E.K

### 1.0 Chemical Product and Company Identification

|                            |  |
|----------------------------|--|
| <b>Trade Name:</b>         | <b>M.E.K</b>   |
| <b>Chemical Name:</b>      | Methyl Ethyl Ketone<br>Ketone solvent for the reduction of paint for spray application |
| <b>Manufacturers Name:</b> | United Paints  |
| <b>Address:</b>            | 29 Empire Rd, Belfast, Christchurch  |
| <b>Telephone:</b>          | (03) 323 8743  |
| <b>Facsimile:</b>          | (03) 323 7261  |
| <b>Date of Issue:</b>      | 2nd September 2021   |

#### Emergency Contact Numbers

|  |  |
|--|--|
| National Poison & Hazardous Chemicals Information Centre | (03) 474 0999                            |
| United Paints Limited – Director (Mr M.Davies)           | (03) 359 3528 Home<br>021 617 979 Mobile |

### 2.0 Hazards Identification

**HSNO APPROVAL CODE :** Product is classified as hazardous according to Schedule 1 – 6 of Hazardous substances regulations of HSNO act 1996

**HSNO CLASSIFICATIONS :** 3.1B , 6.1E 6.3B , 6.4A , 6.7B , 6.9B ,

Danger



### 3.0 Composition / Information on Ingredients

| Ingredient | % By Weight | TLV (TWA)             |        |
|------------|-------------|-----------------------|--------|
| Ketone     | 100 %       | 590 mg/m <sup>3</sup> | 200ppm |

## 4.0 First Aid Measures

- 4.1 Inhalation** Bring patient to fresh open air. If breathing difficult give oxygen.
- 4.2 Skin Contact** Wash with soap and water. Remove and launder contaminated clothing before reuse.
- 4.3 Eye Contact** Flush with water lifting lids occasionally. Seek medical attention .
- 4.4 Ingestion** Do not induce vomiting. Keep patient warm and quiet. Seek medical attention immediately . Rinse mouth with water .
- 4.5 First Aid Facilities** Eyewash and normal washroom facilities and consumerables .
- 4.6 Notes to Doctor** Treat symptomatically . Aspiration is the main danger . Enforce bed rest and observe carefully . Prophylactic antibiotics useful . Observe for chemical pneumonitis . Gastro-intestinal absorption is significant with hydrocarbon solvents .For large ingestions cuffed endotracheal tube is recommended .

## 5.0 Fire Fighting Measures

- 5.1 Flashpoint** -7°C
- 5.2 Flammability Limit** 1.8 (Lower)
- 5.3 Extinguishing Media**  
Foam , carbon dioxide , dry chemical .
- 5.4 Hazardous Composition Products**  
May form toxic materials such as Carbon Monoxide and Carbon Dioxide.
- 5.5 Special Firefighting Procedures**  
Call Fire Service and tell them of location and nature of hazard .  
Water or Foam may cause frothing that can be violent, especially if sprayed into containers of hot burning liquid. Self contained breathing apparatus with full face piece should be used.  
Closed containers can be kept cool by water spray .  
Make sure of adequate supplies of extinguishing material available .
- 5.6 Unusual fire and Explosion Hazards**  
Vapours are heavier than air and may travel along ground and move by ventilation and ignite at a point far from the source. Sumps and drains should be checked for signs of accumulation .
- 5.7 Firefighting Personal Protective Equipment**  
Full protective clothing and self contained breathing apparatus .  
Water rinse shower available .

## 6.0 Accidental Release Measures

- 6.1 Minor Spills** Eliminate all sources of Ignition. Stop leak at source. Dyke area of spillage. Absorb with sand or other absorbent inert material.
- 6.2 Major Spills** Clear are from all public and personnel . Call fire service and advise on the nature of hazard . Ensure spill is contained however if spill enters waterways directly or through drains advise local environment protection authority .
- 6.2 Disposal** Destroy by controlled incineration by approved waste disposal group or use an authorised disposal area.

## 7.0 Handling and Storage

- 7.1 Handling** Use in well ventilated area away from any source of ignition . Wear safety glasses , nitrile gloves , overalls , and approved cartridge respirator when spraying .
- 7.2 Storage** Store in a cool , authorised room away from any source of accidental ignition , or any oxidising agents .

## 8.0 Exposure Controls / Personal Protection

### 8.1 Exposure Controls

Contains 100 % Aromatic Hydrocarbon solvent . Make sure level maintained below TLV of 50 ppm or provide personal protective equipment to suit .

### 8.2 Personal Protective Equipment

- Vapour Respirator
- Splash Goggles
- Face Shield
- Gloves ( Nitrile )
- Synthetic Apron
- Vapour Respirator
- Dust Respirator

## 9.0 Physical and Chemical Properties

- 9.1 Appearance** Liquid
- 9.2 Odour** Characteristic
- 9.3 Boiling Point** 79°- 80°C
- 9.4 Flash Point** -4° C
- 9.5 Solubility in Water** Miscible
- 9.6 Specific Gravity** 0.804-0.806
- 9.7 pH Value** Not applicable

|             |                            |                     |
|-------------|----------------------------|---------------------|
| <b>9.8</b>  | <b>Vapour Pressure</b>     | 9.5 at 20°C         |
| <b>9.9</b>  | <b>Vapour Density</b>      | 2.4                 |
| <b>9.10</b> | <b>Evaporation Rate</b>    | 5.2                 |
| <b>9.11</b> | <b>Volatile Component</b>  | 100 %               |
| <b>9.12</b> | <b>Flammability</b>        | Flammable Liquid    |
| <b>9.13</b> | <b>Autoignition Temp</b>   | 520°C               |
| <b>9.14</b> | <b>Flammability Limits</b> | Lower 1.8 Upper 6.6 |

Coloured flammable liquid with a mild solvent odour , which does not mix with water but will form a thin layer on water surface .

## 10.0 Stability and Reactivity

|             |                                  |  |
|-------------|----------------------------------|--|
| <b>10.1</b> | <b>Chemical Stability</b>        | Stable under normal conditions                                 |
| <b>10.2</b> | <b>Conditions to Avoid</b>       | Heat , Direct Sunlight , open flames or other ignition sources |
| <b>10.3</b> | <b>Materials to Avoid</b>        | Strong oxidising agents  |
| <b>10.4</b> | <b>Hazardous Decomp Products</b> | Carbon monoxide , Carbon dioxide , fumes                       |
| <b>10.5</b> | <b>Hazardous Reactions</b>       | May react with incompatible materials                          |
| <b>10.6</b> | <b>Hazardous Polymerization</b>  | Will not occur   |

## 11.0 Toxicological Information

|             |                                 |   |
|-------------|---------------------------------|---|
| <b>11.1</b> | <b>Acute Toxicity</b>           | Oral : Moderately Toxic<br>Dermal : Moderately Toxic<br>Inhalation : Moderate Irritant              |
| <b>11.2</b> | <b>Health Effects Swallowed</b> | Harmful . Ingestion of this material may irritate the gastric tract and cause nausea and vomiting . |
|             | <b>Eye Contact</b>              | May cause eye irritation, stinging, redness and blurred vision.                                     |
|             | <b>Skin Contact</b>             | May cause itching, redness and irritation   |
|             | <b>Chronic Effects</b>          | Causes central nervous system depression . Prolonged exposure may affect liver and kidneys .        |

## 12.0 Ecological Information

|             |                                    |  |
|-------------|------------------------------------|--|
| <b>12.1</b> | <b>Ecotoxicity</b>                 | Classed as aquatic ecotoxin with long lasting effects .              |
| <b>12.2</b> | <b>Persistence / Degradability</b> | Not readily biodegradable .  |
| <b>12.3</b> | <b>Mobility Air Water</b>          | Rapid loss by evaporation<br>Product will mix partially with water . |
| <b>12.4</b> | <b>Enviro Protection</b>           | Avoid contaminating waterways , soil , drains and sewers .           |

## 13.0 Disposal Considerations

|             |                   |   |
|-------------|-------------------|---|
| <b>13.1</b> | <b>Liquid</b>     | Dispose of waste through an approved facility .                                 |
| <b>13.2</b> | <b>Containers</b> | Dispose of containers through metal recycler once empty containers have dried . |

## 14.0 Transport Regulations

**Labelling Required** FLAMMABLE LIQUID  
Red Diamond 3

### UNDG

**U N Number** 1193  
**Proper Shipping Name** Methyl Ethyl Ketone  
**D G Class** 3  
**Hazchem Code** 2 Y E  
**Packing Group** III

This material is classified as a class 3 – Flammable Liquid according to NZS 5433 : 1999 Transport of Dangerous Goods on Land .  
This material must not be loaded in the same freight container or the same vehicle with :

|           |  |
|-----------|--|
| Class 1   | Explosives   |
| Class 2.1 | Flammable Gases                                    |
| Class 2.3 | Toxic Gases  |
| Class 4.2 | Spontaneously Combustible Substances               |
| Class 5.1 | Oxidising substances                               |
| Class 5.2 | Organic Peroxides                                  |
| Class 7   | Radioactive materials unless specifically exempted |

Must not be loaded in the same freight container , but can be in the same vehicle if separated horizontally by a distance of 3 metres :

Class 4.3 Dangerous when wet substances .

Goods of packing group II or III may be loaded in the freight container or the same vehicle if transported in segregation devices with :

|           |                                      |
|-----------|--------------------------------------|
| Class 4.2 | Spontaneously Combustible Substances |
| Class 4.3 | Dangerous when wet substances        |
| Class 5.1 | Oxidising substances                 |
| Class 5.2 | Organic Peroxides                    |

## 15.0 Regulatory Information

**Labelling** Class 3 , Flammable Liquid  
**Poisons Schedule** S 4  
**Hazard Category** Harmful

## **16.0 Other Information**

|                              |                                       |
|------------------------------|---------------------------------------|
| <b>Revision Date</b>         | 2nd September 2026                    |
| <b>NZ Emergency Services</b> | Telephone 111                         |
| <b>NZ Poison Information</b> | Telephone 0800 POISON (0800 764 766 ) |

The above information concerns only the above mentioned product and is not valid with any other product(s). The information is provided to the best of our knowledge, correctly and completely, in good faith but without warranty. It remains the user's responsibility to ensure the information is appropriate for their application of the product.