

## **MATERIAL SAFETY DATA SHEET**

### **SECTION I : PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** : **WILFRO MB 6120**

**Product Use** : **Water miscible cutting fluid**

**Company Identification** : **WILFRED FLUID SPECIALTY**  
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### **SECTION II : Hazards Identification**

**Main Hazards** : Not classified as dangerous

**Adverse Human health effects** : None under normal condition

**Environmental Hazards** : No specific risk for the environment.

**Precautionary Statements**

**Prevention** : Avoid release to the environment

**Disposal** : Dispose of contents / container in accordance with  
applicable local / region / national / international regulations

### **SECTION III : Composition / Information on Ingredients**

**Components** : Highly refined mineral oil

**CAS Number** : Mixture

**Amount** : 60-100% weight

### **SECTION IV : First Aid Measures**

**Eye** : No Specific first aid measures are required. As a precaution, remove contact lenses, if Worn and flush eyes with water.

**Skin** : No Specific aid measures are required. As a precaution, remove clothing and shoes if contaminated.

**Ingestion** : No Specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

### **SECTION V : Fire Fighting Measures**

- Extinguishing Media** : Use water fog, Foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.
- Protection of Fire Fighters:-  
Fire Fighting Instructions** : This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.
- Combustion Products** : Highly dependent on combustion conditions. A complex mixture of airborne solids, Liquids and gases including carbon monoxide, carbon dioxide and unidentified organic compounds will be evolved when this material undergoes combustion.

### **SECTION VI : Accidental release Measures**

- Protective Measures** : Eliminate all sources of ignition in vicinity of spilled material
- Spill Management** : Stop the source of the release if you can do it without risk .  
Contain release to prevent further contamination of soil, surface water or ground water. Clean up spill as soon as possible, observing precautions in exposure Controls / Personal protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.
- Reporting** : Report spills to local authorities as appropriate or required.

### **SECTION VII : Handling & Storage :-**

- Handling** : Keep away from heat, spark and flame. Avoid contact with eyes and skin
- Storage** : Keep container in a cool, well – ventilated area. Keep container tightly closed and sealed until ready for use .

### **SECTION VIII : Exposure Controls / Personal Protection:-**

- General Considerations** : Consider the potential hazards of this material ( #2) , applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipments since

protection is usually provided for a limited time or under certain circumstances.

<b>Engineering Controls</b>	:	Use in a well ventilated area
<b>Personal protective Equipment</b>		
<b>Eye / face Protection</b>	:	No Special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.
<b>Skin protection</b>	:	No Special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the work place.
<b>Respiratory Protection</b>	:	No respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material.

### SECTION IX : Physical & chemical properties

<b>Colour</b>	:	Brown
<b>Physical State</b>	:	Viscous Liquid
<b>Odor</b>	:	Characterisitic
<b>Odor Threshold</b>	:	No data Available
<b>pH</b>	:	Approx 9.0
<b>Solubility</b>	:	Emulsifies in Water
<b>Freezing Point</b>	:	Not Applicable
<b>Density</b>	:	0.87 - 0.89 kg/l @ 29.5° C
<b>Viscosity</b>	:	> 20 mm <sup>2</sup> /s @ 40° C
<b>Flash Point</b>	:	>150 °C min COC
<b>Auto Ignition</b>	:	N/D

### SECTION X : Stability and Reactivity

<b>Chemical Stability</b>	:	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
<b>Incompatibility With Other Materials</b>	:	May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
<b>Hazardous Decomposition Products</b>	:	None known (None expected)
<b>Hazardous Polymerization</b>	:	Hazardous polymerization will not occur.

## **SECTION XI : Toxicological Information**

### **Immediate Health Effects**

<b>Eye</b>	:	Not expected to cause prolonged or significant eye irritation.
<b>Skin</b>	:	Contact with the skin is not expected to be harmful. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin.
<b>Skin Irritation</b>	:	The skin irritation hazard is based on evaluation of data for similar materials or product components.
<b>Ingestion</b>	:	Not expected to be harmful if swallowed.
<b>Inhalation</b>	:	Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

## **SECTION XII: Ecological Information :-**

**ECOTOXICITY** : This material is not expected to be harmful to aquatic organisms.

### **PERSISTENCE AND DEGRADABILITY:**

May cause long-term adverse effects in the aquatic environment. The product has not been tested. The statement has been derived from the properties of the individual components.

## **SECTION XIII: Disposal Consideration**

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

## **SECTION XIV: Transport Information**

LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL

## **SECTION XV: Regulatory Information**

As per Local requirements

## SECTION XVI: Other Information

**Disclaimer:** No specific notes on this product. Data is the most current known to M/s Wilfred Fluid Specialty at the time of preparation and is believed to be accurate. No warranty as to its accuracy or completeness is expressed or implied.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.