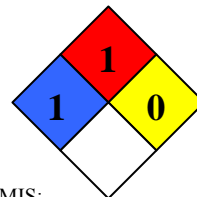


## MATERIAL SAFETY DATA SHEET

### 1. Identification of the material and supplier

Product name Royal Flush Clear Grind  
Product use Grinding Fluid  
Supplier Ebbco inc  
51536 Industrial Drive  
New Baltimore, MI 48047  
586-716-5151



HMIS:  
HEALTH=1  
FIRE=1  
REACTIVITY=0  
SPECIAL= NONE

### 2. Composition/ Information on Ingredients

Ingredient	CAS#	%
Alkanes	90622-46-1	>85

### 3. Hazards Identification

#### EMERGENCY OVERVIEW

**Appearance** straw-yellow oily liquid

**Odor** Mild hydrocarbon.

#### Precautions

**CAUTION!** MAY CAUSE EYE OR SKIN IRRITATION. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

#### Environmental precautions

Low toxicity to aquatic organisms such as bacteria, algae, protozoa and fish. Normal paraffins are removed by volatilization, sorption to sediments/soils and biodegradation.

#### POTENTIAL HEALTH EFFECTS

**Eyes** Irritating to eyes.

**Skin** Repeated or prolonged contact can cause redness, irritation and scaling of the skin (dermatitis). Normal care and personal hygiene should prevent skin effects.

**Inhalation** Exposure to high concentration of vapors may result in headache and stupor.

**Ingestion** Lung exposure to this product either by prolonged breathing of a mist or vomiting following ingestion, can lead to serious lung injury and possibly death.

### 4. First-aid measures

**Eye contact** In case of contact with eyes, rinse immediately with a copious amount of water. Get medical attention if irritation occurs.

**Skin contact** Immediately wash exposed skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention if irritation develops.

**Inhalation** If inhaled, remove to fresh air. Get medical attention if symptoms appear.

**Ingestion** If swallowed, DO NOT induce vomiting. Give several glasses of water to drink. Never give anything by mouth to an unconscious person. Obtain medical attention.

### 5. Fire-fighting measures

**Flash point** 118 °C 224 °F

**Upper/ Lower Flammable Limit (% vol)** **Lower explosion limit:** 0.5 %(V)  
**Upper explosion limit:** 4.7 %(V)

**Autoignition Temperature** 204 °C 400 °F

**Fire and Explosion** NFPA Class IIIB combustible liquid.

**Extinguishing media** Water spray or fog, foam, dry chemical, CO2.

**Protection of fire-fighters** Self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide limited protection.

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## 6. Accidental release measures

Methods and materials for containment and cleanup	Evacuate the area and eliminate all sources of ignition. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).
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## 7. Handling and storage

### Safe handling advice

Ensure all equipment is electrically grounded before beginning transfer operations.

### Storage/Transport pressure

Ambient.

### Load/Unload temperature

Ambient when above freezing point of the material (-6 C)

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## 8. Exposure controls/personal protection

**EXPOSURE LIMITS: No exposure limits have been established for this product. We recommend using a Threshold Limit Value (TLV) of 5 mg/m<sup>3</sup> (suggested for oil mists).**

Engineering Controls: Air contaminant levels should be controlled below the PEL or TLV for this product

### Personal protective equipment

Respiratory system	NIOSH-approved organic vapor air-purifying respirator, self-contained breathing apparatus, or air-supplied respirators where there may be potential for overexposure.
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Hands	Wear suitable gloves
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Skin and body	Avoid contact with skin clothing. Wear suitable protective clothing.
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Eyes	Safety glasses with side shields.
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## 9. Physical and chemical properties

Physical state	Liquid
Color	Water White
Specific gravity	0.785 @ 16 °C
Viscosity	2.3-2.5 cSt @ 40 °C
Vapor pressure	< 1 mm Hg @ 21 °C
Vapor density (air=1)	7.1
Boiling Point	248-284 °C 478-544 °F
Melting Point	4 °C 39 °F
Solubility in water	Negligible
Density	6.53 #/gal

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## 10. Stability and reactivity

Stability	The product is stable.
Incompatibility with various substances/ hazardous reactions	Strong oxidizing agents
Hazardous polymerization	Will not occur.
Decomposition products	Carbon dioxide, carbon monoxide and possible other unidentified organic compounds.

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## 11. Toxicological information

### Eyes

Primary irritation index 1 hours (rabbit): 5.7 (Maximum score is 110.) (unwashed eyes)

Primary irritation index 1 hours (rabbit): 6 (Maximum score is 110.) (washed eyes)

**Skin** Primary irritation index (rabbit): 4.4 (Maximum score is 8.0.)

Acute dermal LD50 (rabbit): > 2,000 mg/kg

**Inhalation** Acute 4 hours LC50 (rat): > 5.8 mg/l

**Ingestion** Acute oral LD50 (rat): > 5,000 mg/kg

### CARCINOGENICITY

This product contains no carcinogenic substances.

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## 12. Ecological information

### **Aquatic toxicity**

Low toxicity to aquatic organisms such as bacteria, algae, protozoa and fish. (P. Promelas (fathead minnow)) Considered relatively non-toxic as demonstrated by a no significant effect at any concentration of the water soluble fraction of product to fathead minnows and water-fleas.

### **Biodegradation**

Product is removed by volatilization, sorption to sediments/soils and biodegradation.

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## 13. Disposal information

**Waste code** Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations.

### **Disposal methods**

Dispose of only in accordance with local, state, and federal regulations.

### **Empty containers**

Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed.

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## 14. Transport information

Not classified as dangerous in transport.

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## 15. Regulatory information

The chemical ingredients in this product are on the 8(b) TSCA inventory lists (40 CFR 710).

Contains no chemicals subject to SARA 302 reporting.

Contains no chemicals subject to SARA 313 reporting.

Contains no chemicals subject to CERCLA.

Contains no chemical subject to California Prop 65.

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## 16. Other information

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. CLC Lubricants shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.

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