

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	Behringer's 730	Code	Behr-730
Supplier	Behringer Saws, Inc. 730 Hemlock Road Morgantown, PA 19543 Phone: (610) 286-9777 Fax: (610) 286-9699	MSDS#	730
		Validation Date	02/05/1998
		Print Date	04/14/1998
Synonym	Not determined.	In case of Emergency	Emergency phone: (610) 286-9777 If there are any questions regarding this product, contact Behringer Saws, Inc.
Trade name	Behringer's #730		
Material Uses	Metal industry: Metalworking Lubricant		
Manufacturer	Behringer Saws, Inc. 730 Hemlock Road Morgantown, PA 19543 Phone: (610) 286-9777 Fax: (610) 286-9699		

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
No hazardous ingredient.				

Section 3. Hazards Identification

Routes of Entry	Eyes: Possible - Flush with water for 15 minutes. Get medical attention if necessary. Skin: Highly unlikely - Remove clothing and launder. Wipe off excess, and wash with soap and water. Ingestion: Highly unlikely - Do not induce vomiting. Seek immediate medical attention. Inhalation: Highly unlikely - Place person in well ventilated area/location. Seek medical attention if necessary.
Potential Acute Health Effects	Very slightly to slightly irritating in case of eye contact, of ingestion. Non-corrosive for skin. Non-irritant for skin. Non-irritant for lungs.
Potential Chronic Health Effects	Very slightly to slightly irritating in case of skin contact, of eye contact, of ingestion, lungs irritant. Non-corrosive for skin. Non-sensitizer for skin. Non-permeator by skin. CARCINOGENIC EFFECTS: None. MUTAGENIC EFFECTS: None. TERATOGENIC EFFECTS: None. The substance is not toxic to blood, kidneys, lungs, the nervous system, the reproductive system, liver, mucous membranes, heart, bladder, spleen, brain, digestive system, lymphatic system, peripheral nervous system, gastrointestinal tract, cardiovascular system, upper respiratory tract, endocrins, immune system.

Section 4. First Aid Measures

Eye Contact	Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If any irritation persists, seek medical attention.
Skin Contact	NO known EFFECT on skin contact, rinse with water for a few minutes. If any irritation persists, seek medical attention.
Hazardous Skin Contact	No additional information.
Inhalation	Allow the person to rest in a well ventilated area/location. Seek medical attention if necessary.
Hazardous Inhalation	No additional information.
Ingestion	Do not induce vomiting. Have conscious person drink several glasses of water or milk. If ingested, seek medical advice immediately and show the container or the label. If the person is not breathing, perform mouth-to-mouth resuscitation.
Hazardous Ingestion	No additional information.

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Section 5. Fire and Explosion Data

Flammability of the Product	Combustible at elevated temperatures.
Auto-Ignition Temperature	Not determined.
Flash Points	OPEN CUP: 198°C (388.4°F) (Cleveland.)
Flammable Limits	LOWER: 1% UPPER: 7%
Products of Combustion	Products of combustion can include undefined organics, carbon oxides(CO, CO ₂), halogenated compounds(HCl), as well as sulfurized compounds(SO ₂ , SO ₃).
Fire Hazards in Presence of Various Substances	Very slightly to slightly flammable in presence of open flames and sparks. Non-flammable in presence of shocks, of heat, of oxidizing materials, of reducing materials, of combustible materials, of organic materials, of metals, of acids, of alkalis, of moisture.
Explosion Hazards in Presence of Various Substances	Not considered as a product presenting risks of explosion according to our database.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemicals, CO ₂ , water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures

Small Spill	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the surface and dispose of according to local and regional authority requirements.
Large Spill	Combustible material at elevated temperatures. Keep away from heat. Keep away from open flame(s). Keep away from sources of ignition. Stop leak if without risk. Finish cleaning by spreading water on the surface and dispose of material into appropriate waste disposal container(s) according to local and regional authority requirements.

Section 7. Handling and Storage

Handling	After handling, always wash hands thoroughly with soap and water. Do not puncture, incinerate, store the container at temperatures above 49°C (120°F) or in direct sunlight. Handle and open container with care. Keep container tightly closed in a cool, well-ventilated place.
Storage	Keep container tightly closed in a cool, well-ventilated place. Keep only in the original container. No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Good general ventilation should be sufficient to control airborne levels of mist(s). If user/worker operations create mist(s) from product, good general ventilation should be sufficient to control airborne levels below those prescribed by ACGIH/OSHA.	
Personal Protection	Safety glasses. Work Apparel. Gloves. Suggested clothing should be sufficient. If there are any questions regarding this product, contact the manufacturer.	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Gloves (impervious). Suggested protective clothing should be sufficient. Contact the manufacturer if there are any questions.	
Chemical Name or Product Name	CAS #	Exposure Limits
Severely Refined Petroleum Distillates(light): If mists are generated, the following exposure limits apply:	64742-53-6	TWA: 10 (mg/m ³) from ACGIH [1996]. TWA: 5 (mg/m ³) from OSHA [1996].
Chlorinated Paraffin(long-chain)	63449-39-8	Not determined.

Section 9. Physical and Chemical Properties

Physical state and appearance	Liquid.	Odor	Slight.
Molecular Weight	Not applicable.	Taste	Bland (Slight.)
pH (1% soln/water)	8.9 [Basic.]	Color	Green. (Light.)
Boiling Point	>100°C (213.8°F)		
Melting Point	May start to solidify at 5°C (41°F). Weighted average: 0.74°C (33.3°F)		
Critical Temperature	Not determined.		
Specific Gravity	0.99 (Water = 1)		
Vapor Pressure	<0.01 mm of Hg (@ 20°C)		
Vapor Density	>5 (Air = 1)		
Volatility	0% (v/v). Weighted average: 0.207% (v/v)		
Odor Threshold	Not determined.		
Evaporation rate	<0.01 [Butyl acetate.]		
Viscosity	SUS @ 100°F = 1410 cSt @ 40°C = 265		
Water/Oil Dist. Coeff.	The product is much more soluble in water.		
Ionicity (in Water)	Non-ionic.		
Dispersion Properties	Partially dispersed in methanol. Very slightly dispersed in n-octanol, acetone. Is not dispersed in diethyl ether. See solubility in water, methanol.		
Solubility	Easily soluble in hot water. Soluble in cold water. Partially soluble in methanol. Very slightly soluble in acetone. Insoluble in diethyl ether, n-octanol.		
Physical Chemical Comments	Not determined.		

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with various substances	Reactive with oxidizing agents. Slightly reactive to reactive with acids. Very slightly to slightly reactive with metals(magnesium), alkalis. Non-reactive with reducing agents, combustible materials, organic materials, moisture.
Hazardous Decomposition Products	Short term hazardous decomposition products are unlikely. Long term hazardous decomposition products are unlikely. Decomposition can result in release of undefined organics, carbon oxides(CO, CO ₂), chlorinated compounds(HCl), as well as sulfur oxides(SO ₂ , SO ₃).
Hazardous Polymerization	No.

Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50): >5000 mg/kg (Mouse) (Calculated value for the mixture). Acute dermal toxicity (LD50):>4000 mg/kg (Rabbit) (Calculated value for the mixture). LC50: Not determined.
Chronic Effects on Humans	The substance is not toxic to blood, kidneys, lungs, the nervous system, the reproductive system, liver, mucous membranes, heart, bladder, spleen, brain, digestive system, lymphatic system, peripheral nervous system, gastro-intestinal tract, cardiovascular system, upper respiratory tract, endocrins, immune system.
Other Toxic Effects on Humans	Very slightly to slightly irritating in case of eye contact , of ingestion. Non-corrosive for skin. Non-irritant for skin.

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Special Remarks on Toxicity to Animals No additional remark.

Special Remarks on Chronic Effects on Humans No additional remark.

Special Remarks on other Toxic Effects on Humans No additional remark.

Section 12. Ecological Information

Ecotoxicity Not determined to be an ecotoxin.

BOD5 and COD Not determined.

Products of Biodegradation Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. This product is stable. Products of biodegradation most likely are undefined organics and carbon oxides(CO, CO₂), as well as chlorinated hydrocarbons and sulfur compounds(SO₂, SO₃).

Toxicity of the Products of Biodegradation The products of degradation are non-toxic.

Special Remarks on the Products of Biodegradation No additional remark.

Section 13. Disposal Considerations

Waste Disposal Recycle to process, if possible. Absorb with an inert material and put the spilled material in an appropriate waste disposal. Consult your local or regional authorities. In accordance with local and federal regulations.

Section 14. Transport Information

DOT Classification Not a DOT controlled material (United States). Product is considered safe for transport in the U.S.A. Product is not regulated by the U.N.

Proper Shipping Name NONE

DOT Identification Number Not applicable (PIN and PG).

Packing Group NONE

Hazardous Substances Reportable Quantity Not determined.

Special Provisions for Transport No special provisions for transport.

TDG Classification Not controlled under TDG (Canada).

IMDG Classification Not controlled under IMDG.

IATA Classification Not controlled under IATA.

Section 15. Regulatory Information

Federal and State Regulations All ingredients that make up this product are listed on the TSCA inventory and are approved for industry use in the U.S.A.

Certain ingredients that make up this product are listed on specific "State Right To Know" lists and are approved for industry use in those states.

None of the ingredients that make up this product are listed on or regulated by Proposition 65(CA).

Other Classifications WHMIS (Canada) Not controlled under WHMIS (Canada).

DSCL (EEC)

Not controlled under DSCL(Europe). This product does not need to be labelled in accordance with (national equivalent of EC-Directive 88/379).

Japan: Not controlled under the Chemical Substance Control Law(MITI).

Australia: Not controlled under the National Industrial Chemicals Notification and Assessment Act(NICNAS).

Section 16. Other Information

HMIS (U.S.A.)

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	1

National Fire Protection
Association (U.S.A.)

Health



Fire Hazard

Reactivity

Specific hazard

References

Manufacturer's Information Database.

Other Special
Considerations

Mineral Oil mist(s) develop when the product is misted. Exposure limits for such mist(s): OSHA PEL: 5.0 mg/m³ (8-hour TWA). ACGIH TLV: 5.0 mg/m³. ACGIH STEL: 10.0 mg/m³.

The chlorinated paraffins that make up one of the ingredients of this product are long-chain chlorinated paraffins, those paraffins having an average chain length greater than C₁₂.

Validated by Manufacturer on 02/05/1998.

Verified by Behringer, Inc..

Printed 04/14/1998.

Emergency phone: (610) 286-9777

If there are any questions regarding this product, contact Behringer Saws, Inc.

Notice to Reader

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