

## MATERIAL SAFETY DATA SHEET

HETMAN® ROTOR™ LUBRICANT

MSDS: H12-R  
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March 24, 2016

### I. PRODUCT IDENTIFICATION AND EMERGENCY INFORMATION

**PRODUCT NAME/CODE:** Hetman® Rotor Lubricant H12-R- \* (\* = Prod. Qty.)  
**INTENDED USE:** Lubrication of Musical Instrument Components  
**CHEMICAL NAME:** Proprietary Mixture – Trade Secret  
**CHEMICAL FAMILY:** Synthetic Hydrocarbon  
**COMPANY NAME:** Musikwerks 18 Pettit Avenue South River, NJ 08882 USA  
**EMERGENCY PHONE:** 732-305-6343, 609-712-1332

II. PRODUCT INGREDIENTS	(COMPOSITION / INFORMATION ON INGREDIENTS)			
COMPOSITION	CAS NUMBER	LIMIT/QTY	AGENCY/TYPE	PERCENT
Rotor	Mixture	None	NA	100%

(Proprietary mixture not tested as a whole to determine its hazards)

### III. HAZARDS IDENTIFICATION AND PRECAUTIONS

#### EMERGENCY OVERVIEW

**APPEARANCE:** Clear colorless liquid.

**PRINCIPAL HAZARDS:** Aspiration hazard (liquid can enter airways, and lungs if swallowed, vomited, or inhaled).

**SIGNAL WORD/HAZARD STATEMENT:** DANGER: May be harmful or fatal if swallowed, vomited, or inhaled.

**PRECAUTIONS:** Keep out of the reach of young children; use only under adult supervision. Do not take internally. Avoid contact with eyes, skin, and clothing.

#### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** Not expected to cause prolonged or significant eye irritation.

**SKIN CONTACT:** Contact with skin not expected to cause prolonged or significant irritation. May cause defatting or drying of skin.

**INGESTION:** Because of the low viscosity of this substance, it can directly enter the airways, and lungs (aspiration) if swallowed, or subsequently vomited. Once in the lungs, it is difficult to remove and can cause severe lung damage and possible fatal chemical pneumonia.

**INHALATION:** Because of the low viscosity of this substance, it can directly enter the airways, and lungs (aspiration) if inhaled. Once in the lungs, it is difficult to remove and can cause severe lung damage and possible fatal chemical pneumonia.

IV. FIRST AID MEASURES

**EYE CONTACT:** Remove contact lenses if worn. Flush eyes with water for at least 15 minutes. Consult a physician.

**SKIN CONTACT:** Remove contaminated clothing. Wash skin with soap and water. Clean contaminated clothing before reuse.

**INGESTION:** If swallowed, do NOT induce vomiting. Consult a physician immediately.

**INHALATION:** Remove person to fresh air. Consult a physician.

**NOTE TO PHYSICIAN:** Ingestion or subsequent vomiting of this product may result in aspiration of low viscosity hydrocarbon liquid that may cause pneumonitis.

V. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES:**

OSHA Classification (29 CFR 1910.1200): Not classified as flammable or combustible.

**FLAMMABLE PROPERTIES:**

FLASHPOINT AND METHOD: > 300 °F (148.9 °C) COC

AUTOIGNITION: > 600 °F (315.6 °C)

FLAMMABLE LIMITS (% BY VOLUME IN AIR): Lower: NA Upper: NA

EXTINGUISHING MEDIA: CO<sub>2</sub>, dry chemical, foam and water fog.

**NFPA RATINGS:** Health 1; Flammability 1; Reactivity 0.

**FIRE FIGHTING INSTRUCTIONS:** This material will burn although it is not easily ignited. Do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

**COMBUSTION PRODUCTS:** Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

VI. ACCIDENTAL RELEASE MEASURES

**PROTECTIVE MEASURES:** Wear appropriate personal protective equipment when responding to spills.

**SPILL MANAGEMENT:** Stop the source of the leak or release if safe to do so. Contain liquid to prevent contamination of soil and water, or entry into drainage and sewer systems. Clean up small spills with appropriate absorbent materials (such as clay or sand), and dispose of in accordance with federal, state, and local regulations. Follow appropriate regulations and procedures for reporting and responding to larger releases.

VII. HANDLING AND STORAGE

Read and observe all precautions on product label and MSDS. Keep out of the reach of young children; use only under adult supervision. Do not take internally. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

## VII. HANDLING AND STORAGE (continued)

Keep container closed when not in use. Store in a cool, dry area with adequate ventilation. Do not store near sources of ignition, high temperatures, or strong oxidizing agents. Avoid contaminating soil or releasing this material into drainage and sewer systems, and bodies of water.

Do not use pressure to empty container as container may rupture with explosive force. Empty containers retain product residue and can be dangerous. Do not pressurize, braze, cut, drill, grind, solder, weld, or expose the containers to heat, flame, sparks, static electricity or other sources of ignition. Containers may explode and cause injury or death. Empty containers should be completely drained, tightly closed and properly disposed of in accordance with federal, state and local regulations.

## VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use in a well ventilated area.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYE / FACE PROTECTION:** No eye protection is normally required. However, use of eye protection is good industrial practice.

**SKIN PROTECTION:** If engineering controls or work practices are not adequate to prevent skin contact, wear protective clothing. Protective clothing may include gloves, aprons, boots and complete facial protection. Suggested materials for gloves include; Viton, Nitrile and Polyurethane.

**RESPIRATORY PROTECTION:** No respiratory protection is normally required.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

DESCRIPTION:	Clear, colorless liquid.
pH:	NA
SOLUBILITY:	Soluble in hydrocarbon solvents; insoluble in water.
SPECIFIC GRAVITY (H <sub>2</sub> O = 1):	< 1 @ 15.6 / 15.6 °C
VAPOR PRESSURE:	< 0.1 mm Hg @ 20 °C
VISCOSITY:	< 100 SUS @ 100 °F

## X. STABILITY AND REACTIVITY

**HAZARDOUS DECOMPOSITION PRODUCTS:**

No data available.

**CHEMICAL STABILITY:**

This material is considered chemically and thermally stable.

**CONDITIONS TO AVOID:**

Avoid high temperatures and sources of ignition.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

May react with strong oxidizing agents.

**HAZARDOUS POLYMERIZATION:**

Polymerization will not occur.

XI. TOXICOLOGICAL INFORMATION

Based on data for similar products and / or components, this material is considered to be nontoxic.

XII. ECOLOGICAL INFORMATION

This material is not expected to be harmful to aquatic organisms. This material is not expected to be readily biodegradable.

XIII. DISPOSAL CONSIDERATIONS

Place contaminated materials in appropriate containers and dispose of in accordance with applicable regulations. Consult local authorities for approved disposal of this material.

XIV. TRANSPORTATION INFORMATION

Not regulated as a hazardous material by the Federal DOT.

XV. REGULATORY INFORMATION

**CARB AND EPA:**

Consumer Product VOC Content Limits: Exempt

**SARA 311 CATEGORIES:**

- |                                       |     |
|---------------------------------------|-----|
| 1. Immediate (Acute) Health Effects:  | Yes |
| 2. Delayed (Chronic) Health Effects:  | No  |
| 3. Fire Hazard:                       | No  |
| 4. Sudden Release of Pressure hazard: | No  |
| 5. Reactivity Hazard:                 | No  |

XVI. OTHER INFORMATION

XVII. STATE RIGHT TO KNOW

Trade Secret NJTSRN 071288-H12-R

The information contained herein is based on data that is believed to be accurate. Musikwerks makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Musikwerks assumes no responsibility for injury from the use of the product described herein.