

# MATERIAL SAFETY DATA SHEET for

# HURCO TECHNOLOGIES, INC.

## LiquiSmoke™

### SECTION I Product Identification

TRADE NAME:

**Hurco LiquiSmoke™**

**GENERAL OR GENERIC ID:** Hydrotreated Middle Distillate  
**DOT HAZARD CLASSIFICATION:** N/A  
**CHEMICAL FORMULA:** Proprietary  
This material is in compliance with the  
Toxic Substances Control Act (15 USC 2601—2629).

### SECTION II Composition, Information on Ingredients

**INGREDIENT:** Hydrotreated Middle Distillate  
**CAS #:** 64742-46-7  
**PERCENT:** 100

**EXPOSURE INFORMATION**

Ingredients	ACGIH TLV	STEL	OSHA PeI	STEL
Hydrotreated Middle Distillate	100 mg/m3	NA	NA	NA

Exposure limits expressed as 8-hour TWA concentrations in either parts per million (ppm), or milligrams per cubic meter (mg/m3).

### SECTION III Hazards Identification

#### ROUTES OF ENTRY

**Inhalation:** Yes  
**Skin:** Yes  
**Ingestion:** Yes

#### EXPOSURE EFFECTS

**Symptoms of Exposure:** Headache, drowsiness, eye, respiratory or skin irritation, nausea, numbness.  
**Acute Exposure Effects:** Ingestion may cause nausea, vomiting and diarrhea.  
**Chronic Exposure Effects:** Dermatitis, pneumonitis & pulmonary edema.

#### MEDICAL CONDITION

**Aggravated by Exposure:** NA  
**Carcinogen Status:** No  
**NTP:** No  
**OSHA:** No  
**IARC:** No

**CARCINOGENICITY STMT:** According to IARC Monographs, severely Hydrotreated oils, such as this product, are not considered carcinogenic. Nevertheless, good industrial hygienic practices are recommended.

### SECTION IV First Aid Measures

#### Emergency and First Aid Procedures

Remove from contaminated atmosphere. Give artificial respiration if not breathing. Remove contaminated clothing. Thoroughly wash affected areas with soap and water. In case of eye contact, flush eyes with water for 10-15 minutes. **SEEK IMMEDIATE MEDICAL CARE.**

If swallowed, **DO NOT INDUCE VOMITING.**

### SECTION V Fire and Explosion Data

**Flashpoint:** 265°F.(129.43°C) COC  
**Autoignition Temperature:** NA  
**LEL:** NA  
**UEL:** NA  
**Fire Fighting Procedures:** SCBA may be required.  
**Extinguishing Media:** CO2, Dry Chemical, Foam  
**Unusual Fire & Explosion Hazards:** Water may cause frothing.

### SECTION VI Accidental Release Measures

#### SPILL/RELEASE INSTRUCTIONS

Eliminate all sources of ignition. Contain with earthen like or petroleum absorbent material. Remove with grounded suction pump to salvage container. Remove all contaminated materials.

### SECTION VII Handling & Storage Information

Keep away from all ignition sources (e.g. heat, flame, sparks, strong oxidizers). Bond and ground container.

### SECTION VIII Exposure Controls/Personal Protection

**Engineering Controls:** No  
**Local Exhaust:** To control vapors.  
**Mechanical Ventilation:** For Confined Spaces.  
**Respiratory Protection:** NIOSH approved organic vapor respirator.  
**Eye Protection:** Chemical goggles or face shield.  
**Glove Protection:** PVC/equivalent resistant glove.  
**Work/Hygienic Practices:** Always minimize body contact. Wash areas of body contact promptly. Use a PVC/equivalent resistant apron where splash potential exists.

### SECTION IX Physical & Chemical Properties

**Physical Appearance:** Water white liquid  
**Product Odor:** Negligible  
**Specific Gravity:** <1  
**Solubility in Water:** Insoluble  
**Boiling Point:** 470°F 243.31°C  
**Freezing Point (F):** NA  
**Melting Point (F):** 30°F -1.11°C  
**Vapor Pressure:** <0.1  
**Reference:** mmHg@70°F

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## SECTION X Stability & Reactivity Information

**Stability:** Stable  
**Hazardous Polymerization:** Oxidizers  
**Materials to Avoid:** Heat & Flame  
**Hazardous Decomposition:** Carbon Monoxide and other petroleum decomposition products.

## SECTION XI Disposal Consideration

**Waste Management:** Per Federal, State and local laws.

## SECTION IX Transportation Information

**Proper Shipping Name:** NOT A DOT REGULATED MATERIAL  
(Packaging in excess of 3500 gal require an OIL SPILL prevention and response plan per 49 CFR 1).  
**Hazard Class:** NA  
**UN/NA Number:** NA  
**Packaging Group:** NA

All hazard precautions given in this data brochure must be observed.  
This brochure is for the unburnt LiquiSmoke Only. Test Data is available for LiquiSmoke "smoke" by contacting Hurco Technologies.

**LAST ISSUE DATE:**  
01/10/04

**Questions Concerning LiquiSmoke  
(8:00-5:00 Central Time) M-F  
Please Call: 1-800-888-1436**

## SECTION XIII Regulatory Information

**Hazardous under SARA Section a311:** Yes  
**Fire Hazard:** No  
**Sudden Release:** No  
**Immediate:** No  
**Reactive Hazard:** No  
**Delayed:** Yes

**SARA Section 313 Listed Components:** None

## SECTION IX Other Information

### NFPA 704M Rating

**NFPA Fire Code:** 1  
**NFPA Health Code:** 1  
**NFPA Reactivity Code:** 0  
**NFPA Other:** Blank

The information contained in this MSDS is believed to be accurate, but is not warranted to be, whether originated with Hurco Technologies or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to the circumstances.

### NFPA Key

0 = Insignificant  
1 = Slight  
2 = Moderate  
3 = High  
4 = Extreme

## SECTION IX Definitions

DOT = Department of Transportation  
CAS = Chemical Abstract Service  
ACGIH = American Conf. Of Governmental Industrial Hygienists  
OSHA = Occupational Safety and Health Administration  
TLV = Threshold Limit Value  
STEL = Short Term Exposure Limit  
PEL = Permissible Exposure Limit  
TWA = Time Weighted Average  
NTP = National Toxicology Program  
IARC = International Agency for Research on Cancer  
LEL = Lower Explosion Limit  
UEL = Upper Explosion Limit  
SCBA = Self Contained Breathing Apparatus  
CFR = Code of Federal Regulations  
NFPA = National Fire Protection Agency  
EPA = Environmental Protection Agency

FOR ADDITIONAL  
NON-EMERGENCY MSDS INFORMATION CONTACT:

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