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 Pel	STEL
Hydrotreated Middle Distillate	100 mg/m3		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 concidered 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:

HURCO
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