SAFETY DATA SHEET

Issue Date 21-Feb-2016 **Revision Date** 21-Feb-2016 **Version** 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Identifier

Product Name LC-5000

Other means of identification

Product Code: LC-5000
Product Description Low Gloss Top Coat

Recommended use of the chemical and restrictions on use

Recommended Use: Water-borne coatings; leather dyes, leather finishing, leather impregnation products.
Uses advised against: No information available

Details of the supplier of the safety data sheet

Manufacturer
Leather Refinishing Technologies LLC
529 Caboose Drive
Quakertown, PA 18951 USA

Emergency Telephone Number

Company Phone Number (215) 536-0625
Emergency Telephone Number (267) 228-5682

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Reproductive toxicity	Category 1B

Label Elements

Emergency Overview

Danger

Hazard statement: May damage fertility or the unborn child.

Appearance opaque **Physical State** Liquid **Odor** Slight

Precautionary Statements - Prevention
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.
Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention.
Precautionary Statements - Storage
Store locked up.
Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant
Hazards not otherwise classified (HNOC)
Not applicable

Other information
Unknown Acute Toxicity 54.71% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization Mixture
Chemical nature Aqueous pigment dispersion.

Chemical Name	CAS-No	Weight %	Trade secret
1-Methyl-2-pyrrolidone	872-50-4	0.5 - 1.5	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Ingredients not listed in this section are non-hazardous or proprietary.

4. FIRST AID MEASURES

First aid measures

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists: Get medical advice and or attention.

Skin Contact Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. If symptoms persist, get medical attention or call a physician.

Ingestion If sprayed in mouth, rinse mouth several times with water. Never give anything by mouth to an unconscious person. If accidentally swallowed obtain immediate medical attention.

Most important symptoms and effects, both acute and delayed
Symptoms No information available.

Indication of any immediate medical attention and special treatment needed
Notes to Physician Treat symptomatically and supportively.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water spray. Carbon dioxide (CO2). Foam. Dry chemical.

Unsuitable Extinguishing Media None known.

Specific hazards arising from the chemical
Under fire conditions heated / hot containers may burst. Cool heated containers with water spray.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx).

Explosion data
Sensitivity to Mechanical Impact No.
Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective bunker gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Use personal protective equipment. Avoid contact with the skin and the eyes.

Environmental precautions

Environmental precautions Prevent product from entering drains, sewers or water courses. Do not allow material to contaminate ground water system.

Methods and material for containment and cleaning up

Methods for Containment Contain spill with inert material (e.g. sand, silica gel, universal binder).

Methods for cleaning up Pick up and transfer to properly labelled containers. Dispose waste product in accordance with federal, state and local regulations. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes and clothing. Do not breathe spray or mists. Use personal protective equipment. Ensure adequate ventilation. Stir before use.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Measures Eyewash stations; Ensure adequate ventilation, especially in confined areas.

hdividual protection measures, such as personal protective equipment

Eye/face protection Safety glasses with side-shields.

Skin and body protection Wear protective gloves and protective clothing. Long sleeved clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced from spray or mists, a NIOSH / MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Opaque	**Odor**	Slight to negligible
Color	White to off-white	**Odor threshold**	No information available
pH	7.5 - 9.0	Estimated	
Melting point/freezing point	Not applicable		
Boiling Point/Range	100 °C / 212 °F	Estimated	
Flash Point	Not applicable (water-based material)		
Specific gravity	1.03	Estimated	
Water solubility	Dispersible		

Kinematic viscosity	No information available	
Dynamic viscosity	150 cPs	Estimated
Explosive properties	Not applicable.	
Oxidizing properties	No information available.	

Other information

VOC Content (%)	2.2%
Density	~ 8.3 pounds / gallon

10. STABILITY AND REACTIVITY

Reactivity
No dangerous reactions known under conditions of normal use.

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing and recommended storage conditions.

Conditions to Avoid
Do not freeze. Excessive heat, sparks and color contaminating debris
.

hcompatible materials
Strong oxidizing agents.

Hazardous Decomposition Products
None known or anticipated based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	No acute toxicity information is available for this product
Inhalation	There is no data available for this product.
Eye Contact	There is no data available for this product.
Skin Contact	There is no data available for this product.
Ingestion	There is no data available for this product.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
1-Methyl-2-pyrrolidone 872-50-4	= 3598 mg/kg (Rat)	= 8 g/kg (Rabbit)	= 3.1 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms	None known and no information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation	Mechanical irritation of the eyes is possible.
Sensitization	No information available.
Mutagenicity	No information available.
Carcinogenicity	No components of this product present at levels greater than or equal to 0.1% is listed with NTP, IARC or OSHA.
Reproductive Effects	None known.
Developmental Toxicity	May damage fertility.
Teratogenicity	May damage the unborn child.
STOT - single exposure	No information available.

STOT - repeated exposure No information available.
Neurological Effects None known.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product Information
Unknown Acute Toxicity 54.7% of the mixture consists of ingredient(s) of unknown toxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity
There is no ecotoxicity data on the product itself.

25.5% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea
1-Methyl-2-pyrrolidone 872-50-4	500: 72 h Desmodesmus subspicatus mg/L EC50	832: 96 h Lepomis macrochirus mg/L LC50 static 1072: 96 h Pimephales promelas mg/L LC50 static 1400: 96 h Poecilia reticulata mg/L LC50 static 4000: 96 h Leuciscus idus mg/L LC50 static	4897: 48 h Daphnia magna mg/L EC50

Persistence and degradability
No information available.

Bioaccumulation potential

Chemical Name	Partition coefficient
1-Methyl-2-pyrrolidone 872-50-4	-0.46

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
Waste Disposal Methods It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations. Should not be released into the environment.

Contaminated packaging Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated for transport.

CAO/IATA Not regulated for transport.

MDG/IMO Not regulated for transport.

15. REGULATORY INFORMATION

Global Chemical Inventory Status
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory Complies

U.S. Federal Regulations
SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values
1-Methyl-2-pyrrolidone - 872-50-4	1.0

SARA 311/312 Hazardous Categorization

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This product does not contain any chemicals subject to reporting requirements (RQ) of CERCLA (40 CFR 302.4).

U.S. State Regulations

California Proposition 65

This product contains one or more substances listed on California Proposition 65.

Chemical Name	California Prop. 65
1-Methyl-2-pyrrolidone - 872-50-4	developmental toxicity, initial date 6/15/01

State Right-to-Know

Chemical Name	New Jersey	Massachusetts	Pennsylvania
1-Methyl-2-pyrrolidone 872-50-4	-	X	X

16. OTHER INFORMATION

NFPA Hazard Ratings: **Health hazards** 1 **Flammability** 0 **Instability** 0
HMIS Hazard Ratings: **Health hazards** 1 **Flammability** 0 **Physical hazards** 0

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Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

Abbreviation Legend

~/Ca. – Approximate; ATE – Acute Toxicity Estimate; C - Celsius; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; cPs – Centipoise; DOT - Department of Transportation; EPA - Environmental Protection Agency; F - Fahrenheit; GHS – Global Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; IMO – International Maritime Organization; REL - Recommended Exposure Limits; NFPA - National Fire Protection Association; NIOSH - National Institute for Occupational Safety and Health; MSHA – Mine Safety and Health Administration; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; OSHA - Occupational Safety and Health Administration; RCRA - Resource Conservation and Recovery Act; SARA - Superfund Amendments and Reauthorization Act; SDS – Safety Data Sheet; STEL - Short-term Exposure Limit; STOT – Specific Target Organ Toxicity; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act;

End of Safety Data Sheet