



SAFETY DATA SHEET

Oil Stain




Revision Date 12/30/2015

SECTION - 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Oil Stain	Item
	(all color variations)	
Product Use	For professionally permanently oil staining leather	
Company Name	Leather Coatings, Inc.	Office (800) 821-3158
	8425 Directors Row	Fax (214) 920-9527
	Dallas TX 75247	Web leathercoatings.com
	EMERGENCY TELEPHONE NUMBER	Chem-Tel (800) 255-3924

SECTION - 2 HAZARDS INFORMATION

Physical Hazards FLAMMABLE LIQUIDS-Category 2
Health Hazards EYES-Category 2A; SKIN-Category 2; STOT SINGLE EXPOSURE-Category 1; STOT SINGLE EXPOSURE-Category 3; STOT REPEAT EXPOSURE-Category 2; ASPIRATION-Category 1; CARCINOGENS-Category 2; REPRODUCTIVE-Category 2
Environmental ACUTE-Aquatic Toxicity-Category 3; CHRONIC-Aquatic Toxicity-Category 3

 Flammables	 Irritant (skin and eye) Narcotic Effects Respiratory Tract Irritant	 Aspiration Toxicity Carcinogen Reproductive Toxicity Target Organ Toxicity
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DANGER Highly flammable liquid and vapor
 Causes serious eye irritation, Causes skin irritation, May be fatal if swallowed and enters airways, Causes damage to organs, (Central Nervous System), through single and/or prolonged or repeated exposure, May cause respiratory irritation and/or drowsiness or dizziness, Suspected of causing cancer, Suspected of damaging fertility or the unborn child
 Vapors may cause flash fire, Keep away from heat, sparks, open flames or hot surfaces, Ground and bond container and receiving equipment, Use only non-sparking tools, Take precautionary measures against static discharge, May be harmful if inhaled or swallowed, Do not get in eyes, on skin, or clothing, and avoid inhalation of mist, vapor or fumes, Do not smoke, eat or drink while using, Use proper Safety Equipment, and adequate ventilation, Wash thoroughly after handling, Avoid release into the environment

SECTION - 3 COMPOSITION INFORMATION (Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	IMPURITIES	PERCENT
Toluene	C7 Aromatic Hydrocarbon Solvent	108-88-3	Benzene < 0.1%	10 - 40%
Acetone	2-propanone	67-64-1	Water < 0.5%	10 - 30%
Ethyl Acetate	Ethyl Ethanoate, Acetic Ether	141-78-6		10 - 30%
Ethanol	Denatured Alcohol	64-17-5	Methyl Isobutyl Ketone < 1%, Methanol < 20%	10 - 30%

SECTION - 4 FIRST AID MEASURES

EYE CONTACT Immediately flush eyes with cold water for at least 15 minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists obtain medical attention, preferably from an ophthalmologist

SKIN CONTACT Wash contaminated skin with plenty of soap and water, Remove contaminated shoes or clothing and wash before reuse, If irritation is present or occurs obtain medical attention

INHALATION Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell obtain medical attention

INGESTION DO NOT INDUCE VOMITING. If person is fully conscious, rinse mouth out with water. Contact a physician or poison control center immediately. If vomiting occurs, keep head below hips to prevent aspiration into the lungs

Aspiration Hazard Aspiration into the lungs can cause severe lung damage and is a medical emergency, Never give anything by mouth to an unconscious person. Call a physician or hospital emergency room immediately, If victim is drowsy or unconscious and vomiting, place on the left side with the head down. If possible, do not leave victim unattended and observe closely for adequacy of breathing

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes Can cause serious eye irritation, redness, tearing, or pain, by direct product contact, mist or vapors

Skin Can cause skin irritation, redness, burning, drying or cracking

Inhalation May be harmful if inhaled, Mist or vapor may cause irritation, to respiratory tract, Vapor or fumes may cause, dizziness, drowsiness, and may affect target organs

Ingestion May be harmful if swallowed, Can affect target organs, Can be harmful if swallowed and enters airways

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes Causes serious eye irritation, redness, tearing, or pain, by direct product contact, mist or vapors

Skin Causes skin irritation, redness, burning, drying or cracking, Skin absorption may affect target organs

Inhalation May be harmful if inhaled, Mist or vapor may cause irritation, to respiratory tract, Symptoms may include, headache, asthmatic breathing difficulties, dizziness, drowsiness, central nervous system depression, May affect target organs

Ingestion May be harmful if swallowed, Can affect target organs, Death is possible from respiration failure or circulatory collapse, May be fatal if swallowed and enters airways, The usual fatal dose of Methanol is 100 to 250 ml

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media	SUITABLE: Use DRY chemicals, CO2, alcohol foam. Water spray to cool or protect exposed materials UNSUITABLE: Avoid using a water stream. Product will float upon water and could spread any fire
Hazardous Decomposition	Burning or thermal decomposition can produce, aldehydes, carbon monoxide, carbon dioxide, formaldehyde, unburned hydrocarbons, formic acid, and other toxic fumes
Reactive With	Reactive with, reducing agents, bases, amines, acids, halogens, oxidizers, phosphorous oxychloride
Explosion Hazards	May explode if ignited in an enclosed area. Flashback along vapor trail may occur
Static Discharge	Expected to ignite product
Mechanical Impact	Not expected to ignite product
Protective Equipment	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

FLAMMABLE LIQUIDS HAZARD CLASSIFICATION

Criteria	Flash point < 23°C (73°F) and initial boiling point > 35°C (95°F)
NFPA	Class I B
GHS	Category 2
WHMIS	Class B-2

NFPA HAZARD RATINGS

Health	2
Flammability	3
Reactivity	0
Special Hazards	

**SECTION – 6 ACCIDENTAL RELEASE MEASURES**

Emergency Procedures	Warn personnel to move away and stay upwind from spill, Stop spill or release only if it can be done safely
Personal Precautions	Eliminate ignition sources and ventilate area, Keep unprotected personnel from entering the hazard area
Protective Equipment	Safety Glasses, Chemical Gloves, Approved Respirator, Chemical Apron and Rubber Boots
Containment	Cover or dike any floor drains with an inert material to prevent product from entering the environment, Use sand or inert non-combustible absorbent pads to prevent spill from spreading
Clean Up Procedures	Use sand or inert non-combustible absorbent pads or material and place in a chemical waste disposal container
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	HIGHLY FLAMMABLE LIQUID, Keep away from incompatible materials, heat, sparks, electrical equipment, fire and all ignition sources, Use appropriate safety equipment, and adequate ventilation, Do not smoke, eat or drink while using, Wash thoroughly after handling, Avoid release to the environment, Use only non-sparking tools, Avoid free fall of liquid, Ground containers when transferring, Empty containers are very hazardous, Do not flame cut, saw or drill. Refer to NFPA-704 and/or API RP 2003 for specific bonding and grounding requirements
Storage	Keep container closed when not in use, Store in a well-ventilated area and away from incompatible materials, Store away from heat, sparks, open flames or hot surfaces, Vapors may spread long distances and ignite explosively, Store below 49°C (120°F) and in accordance with Class 1B Flammable Liquids (GHS Category 2)
Incompatible Materials	Incompatible with, reducing agents, bases, amines, acids, halogens, oxidizers, phosphorous oxychloride

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE LIMITS**

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Toluene	20 ppm (Skin)		200 ppm	300 ppm	EI,SA
Acetone	500 ppm (A4)	750 ppm	750 ppm	1000 ppm (2400 mg/m ³)	CNS, RT
Ethyl Acetate	400 ppm		400 ppm		RT
Ethanol	1000 ppm		1000 ppm	1,900 mg/m ³	EI,SI,RT
Methyl Isobutyl Ketone	20 ppm (82 mg/m ³)	75 ppm	100 ppm (410 mg/m ³)	75 ppm (300 mg/m ³)	RT
Methanol	200 ppm (160 mg/m ³)	250 ppm (327 mg/m ³)	200 ppm (250 mg/m ³)		EV,SA

PERSONAL PROTECTIVE EQUIPMENT

Chemical Safety Glasses, Goggles or Face Shield



Impervious Chemical Gloves



MSHA / NIOSH Approved Respirator At or Above Listed TLV's



Impervious Protective Clothing



Eye Wash and Safety Shower (Recommended)

**Ventilation**

Ventilate to keep vapors of this material below the lowest ppm listed above. If over TLV, in accordance with 29 CFR 1910.134, use a MSHA / NIOSH approved positive-pressure self-contained breathing apparatus

"Consulting with a Safety Equipment Supplier is recommended"

HMIS HAZARD RATINGS

Health	2
Flammability	3
Reactivity	0
Personal Protection	H

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	-17°C (1.40°F)	Specific Gravity / Density	0.834
Flammable Limits	Lower: 1.2%, Upper: 7.1%	pH (± 0.3)	NA
Auto-Ignition Temp.	455°C (851°F)	Viscosity	ND
Physical State	Liquid	Freeze Point	ND
Appearance	Color Varies	Boiling Point	ND
Odor	Solvent	Vapor Density (air=1)	ND
Odor Threshold	ND	Vapor Pressure (mm Hg)	ND
Solubility	< 70%	Evaporation Rate (nBuAc=1)	ND
Volatiles	100%	Partition Coefficient	ND
VOC	< 75%	Molecular Weight (g/mol)	~ 70.82
LVP-VOC	ND	Decomposition Temperature	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity (Specific Test Data)	None available
Chemical Stability	Stable at normal ambient temperature and pressure
Hazardous Polymerization	Will not occur
Conditions To Avoid	Heat sources, sparks, flame or static discharge and incompatible materials
Incompatible Materials	Incompatible with, reducing agents, bases, amines, acids, halogens, oxidizers, phosphorous oxychloride
Thermal Decomposition	Burning or thermal decomposition can produce, aldehydes, carbon monoxide, carbon dioxide, formaldehyde, unburned hydrocarbons, formic acid, and other toxic fumes

SECTION – 11 TOXICOLOGICAL INFORMATION**ROUTES OF EXPOSURE**

Eyes (Yes), Skin (Yes), Ingestion (Yes "Aspiration Hazard"), Inhalation (Yes "Mist, Vapor or Fumes")

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes	Can cause serious eye irritation, redness, tearing, or pain, by direct product contact, mist or vapors
Skin	Can cause skin irritation, redness, burning, drying or cracking
Inhalation	May be harmful if inhaled, Mist or vapor may cause irritation, to respiratory tract, Vapor or fumes may cause, dizziness, drowsiness, and may affect target organs
Ingestion	May be harmful if swallowed, Can affect target organs, Can be harmful if swallowed and enters airways

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	Causes serious eye irritation, redness, tearing, or pain, by direct product contact, mist or vapors
Skin	Causes skin irritation, redness, burning, drying or cracking, Skin absorption may affect target organs
Inhalation	May be harmful if inhaled, Mist or vapor may cause irritation, to respiratory tract, Symptoms may include, headache, asthmatic breathing difficulties, dizziness, drowsiness, central nervous system depression, May affect target organs
Ingestion	May be harmful if swallowed, Can affect target organs, Death is possible from respiration failure or circulatory collapse, May be fatal if swallowed and enters airways, The usual fatal dose of Methanol is 100 to 250 ml

Acute Tox Calculated **Oral:** 3,239 mg/kg **Dermal:** 8,932 mg/kg **Inhaled:** 113.0 mg/L

Acute Tox Category Not applicable (Oral >2,000 mg/kg), Not applicable (Dermal >5000 mg/kg), Not applicable (Inhaled >50 mg/L) Vapors

Additional Info Methanol is regarded as a cumulative poison because it is slowly eliminated from the body. Daily exposures may result in the accumulation of a harmful amount, Symptoms of overexposure may include headache, drowsiness, nausea, vomiting, blurred vision, blindness or coma. A person may get better but then worse up to 30 hours later. Overexposure can be fatal, Intentional misuse by deliberately concentrating and inhaling this product can be harmful or fatal, High pressure skin injections are SERIOUS MEDICAL EMERGENCIES. The injury may not appear serious at first, but within a few hours tissues will become swollen, discolored and extremely painful

Target Organs Blood, Kidneys, Liver, Respiratory Tract, Eyes (Lens or cornea), Brain, Skin, Auditory System, Cardiovascular System, Central Nervous System, Optic Nerve

Medical Conditions Preexisting, eye, skin, liver, kidney, central nervous system, blood, respiratory, cardiovascular, optic nerve, hearing, disorders may be aggravated by exposure to this product

Notes to Physician In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption, In case of skin injection, prompt debridement of the wound is necessary to minimize necrosis and tissue loss

CARCINOGENIC – This product contains concentrations above 0.1% of the following:

CHEMICAL NAME	NTP	ACGIH	IARC	GHS Category
Methyl Isobutyl Ketone			2B (Possible for human)	2 (Suspected human)

MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:

CHEMICAL NAME	Germ Cell Mutagenicity	Toxic to Reproduction
Toluene		2 (Warning, Suspected of damaging fertility or the unborn child)

COMPONENTS ACUTE TOXICITY

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Toluene	LD50	Oral	Rat	5,580 mg/kg		(>2000 mg/kg)
	LC50	Inhaled	Rat	49 mg/L	4 Hours (Vapor)	(>20 mg/L)
	LC50	Dermal	Rabbit	12,196 mg/kg		(>2000 mg/kg)
Acetone	LD50	Oral	Rat	5,800 mg/kg		(>2000 mg/kg)
	LD50	Inhaled	Rat	100.2 mg/L	4 Hours (Vapor)	(>20 mg/L)
	LD50	Dermal	Guinea pig	7,426 mg/kg		(>2000 mg/kg)
Ethyl Acetate	LD50	Rat	Oral	5,620 mg/kg		(>2000 mg/kg)
	LD50	Rat	Inhaled	72 mg/L	4 Hours (Vapor)	(>20 mg/L)
	LD50	Rabbit	Dermal	18,000 mg/kg		(>2000 mg/kg)
Methanol	LD Lo	Inhaled	Human	15.73 mg/L	4 Hours (Vapor)	4 (>10, ≤20 mg/L)
	TD Lo	Dermal	Monnkey	393 mg/kg		3 (>200, ≤1000 mg/kg)
	LD Lo	Oral	Human	143 mg/kg		3 (>50, ≤300 mg/kg)
Ethanol	LD50	Oral	Rat	7,060 mg/kg		(>2000 mg/kg)
	LDLo	Dermal	Rabbit	20,000 mg/kg		
	LD50	Inhaled	Rat	66,000 mg/L	4 Hours (Vapor)	(>20 mg/L)

SECTION – 12 ECOLOGICAL INFORMATION

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Toluene	LC50	Fish	(Gambusia affinis)	10 to 100 mg/L	96 Hours	3 (>10, ≤100 mg/L)
	EC50	Water Flea	(Daphnia magna)	6.56 mg/L	48 Hours	2 (>1, ≤10 mg/L)
	LC50	Rainbow Trout	(Oncorhynchus mykiss)	538 mg/L	96 Hours	4 (>100 mg/L)
Acetone	LC50	Mosquito Fish	(Gambusia affinis)	13,000 mg/L	48 Hours	4 (>100 mg/L)
	EC50	Water Flea	(Daphnia magna)	8,800 mg/L	48 Hours	4 (>100 mg/L)
	LC50	Rainbow Trout	(Oncorhynchus mykiss)	5,540 mg/L	96 Hours	4 (>100 mg/L)
Ethyl Acetate	LC50	Rainbow trout	(Oncorhynchus mykiss)	600 mg/L		4 (>100 mg/L)
	EC50	Water Flea	(Daphnia magna)	3,090 mg/L		4 (>100 mg/L)
	LC50	Bluegill	(Lepomis macrochirus)	15,400 mg/L	96 Hours	4 (>100 mg/L)
Methanol	EC50	Water Flea	(Daphnia magna)	23,500 mg/L	24 Hours	4 (>100 mg/L)
	LC50	Rainbow Trout	(Oncorhynchus mykiss)	8,000 mg/L	48 Hours	4 (>100 mg/L)
	LC50	Fathead Minnow	(Pimephales promelas)	29,400 mg/L	96 Hours	4 (>100 mg/L)
Ethanol	LC50	Fathead Minnow	(Pimephales promelas)	15.3 mg/L	96 Hours	3 (>10, ≤100 mg/L)

Persistence And Degradability Rapidly biodegradable in aerobic conditions. Hydrocarbons from this product which do partition to air are expected to rapidly photodegrade

Bioaccumulative Potential There is no evidence to suggest bioaccumulation will occur

Mobility In Soil This material is a partially mobile liquid

Other Adverse Effects Harmful to aquatic life with long lasting effects

SECTION – 13 DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER

Dispose of any waste in accordance with all State and Federal Guidelines and Regulations

ENVIRONMENTAL FATE


This material as supplied, when discarded or disposed of, is a hazardous waste according to Federal Regulations (40 CFR 261) due to its ignitability and due to the composition containing in some or all of its components

Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste

The transportation, storage, treatment and disposal of RCRA waster material must be conducted in compliance with 40 CFR 262, 263, 264 and 270. Disposal can only occur in properly permitted facilities

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate

SECTION – 14 TRANSPORT INFORMATION**DOT CLASSIFICATION**

<u>UN Number</u>	<u>Proper Shipping Name</u>	<u>n.o.s. (Chemicals) or "Limits"</u>	<u>Hazard Class</u>	<u>Packing Group</u>	<u>Label Codes</u>	<u>Reportable Quantity (lbs)</u>	<u>Response</u>	<u>Marine Pollutant</u>	<u>Hazard Label</u>	<u>Secondary</u>
UN 1993	FLAMMABLE LIQUID	n.o.s. (Ketones, Acetates, Hydrocarbons, Alcohols)	3	II	Flammable Liquid	Toluene (1000)	128	No		

Additional Info:

SECTION – 15 REGULATORY INFORMATION**TSCA**

CHEMICAL NAME	Sec 8(b) Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
Toluene	Yes	Yes		
Acetone	Yes	Yes	Yes	Yes
Ethyl Acetate	Yes			
Methanol	Yes	Yes		Yes

REPORTABLE QUANTITIES

CHEMICAL NAME	Extremely Hazardous		Reportable Quantity	Emission Reporting		
	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r
Toluene			1000	Yes	U220	
Methanol			5000	Yes	U154	
Acetone			5000		U002	
Ethyl Acetate			5000		U112	

SARA

CHEMICAL NAME	Section 311		Section 311 / 312 Hazards				
	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive	
Toluene	Yes	Yes	Yes	Yes			
Acetone	Yes	Yes	Yes	Yes			
Ethyl Acetate	Yes	Yes	Yes	Yes			
Ethanol	Yes		Yes	Yes			
Methanol	Yes	Yes	Yes	Yes			

RIGHT TO KNOW

CHEMICAL NAME	STATE												
	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Toluene	Yes		Yes			Yes		Yes		Yes	Yes		Yes
Acetone	Yes			Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	
Ethyl Acetate						Yes		Yes			Yes		
Ethanol							Yes	Yes			Yes		
Methanol	Yes			Yes		Yes	Yes	Yes		Yes	Yes		

CALIFORNIA

CHEMICAL NAME	CAS #	WARNING! This product contains chemicals known to the state of California to cause:			
		Birth Defects	Reproductive Harm	Carcinogen	Developmental
Toluene	108-88-3		Yes		Yes
Methanol	67-56-1				Yes
Methyl Isobutyl Ketone	108-10-1			Yes	Yes

CLEAN AIR WATER ACTS

CHEMICAL NAME	CAS #	Clean Air Acts			Clean Water Acts		
		HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
Toluene	108-88-3				Yes	Yes	Yes
Methanol	67-56-1	Yes					

INTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:

CHEMICAL NAME	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
Toluene	Yes	Yes	Yes	Yes	Yes	Yes
Acetone	Yes	Yes	Yes	Yes	Yes	Yes
Ethyl Acetate	Yes	Yes	Yes	Yes	Yes	Yes
Methanol	Yes	Yes	Yes	Yes	Yes	Yes

WHMIS Classification

CHEMICAL NAME	DSL	Class	Description
Toluene, Acetone, Ethyl Acetate, Methanol	Yes	B-2	Flammable Liquids; Flashpoint < 37.8° C (100°F)
Methanol		D-1B	Materials Causing Immediate and Serious Toxic Effects; Toxic Material
Toluene, Methanol		D-2A	Materials Causing Other Toxic Effects; Very Toxic Material
Toluene, Acetone, Methanol		D-2B	Materials Causing Other Toxic Effects; Toxic Material

SECTION – 16 OTHER INFORMATION**SDS LEGEND DESCRIPTION**

ACGIH	American Conference of Governmental Industrial Hygienists	LC50	A concentration that is lethal to 50% of a given species in a given time
CAS	Chemical Abstracts Service Registry	LD50	Dose that is lethal to 50% of a given species by a given route of exposure
CEIL	Ceiling Limit (15 minutes)	LEL	Lower Explosive Limit
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	LD	Liver Damage
CI	Cochlear Impairment	NA	Not Applicable
CNS	Central Nervous System	ND	Not Determined
EC50	Concentration of a chemical that gives half-maximal response	NFPA	National Fire Protection Association
EPA	Environmental Protection Agency	NIOSH	National Institute for Occupational Safety and Health
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	NE	Not Established
FBG	Full Bunker Gear	NTP	National Toxicology Program
GHS	Globally Harmonized System	OSHA	Occupational Safety and Health Administration
HAP	California Hazardous air pollutant Clean Air Act	PEL	Permissible Exposure Limit (OSHA)
HMIS-A	Safety Glasses	PNS	Peripheral Nervous System
HMIS-B	Safety glasses, gloves	PP	California Priority Pollutant under the Clean Water Act
HMIS-C	Safety glasses, gloves, chemical apron	REL	Recommended exposure limit (NIOSH)
HMIS-D	Face shield, gloves, chemical apron	RT	Upper Respiratory Tract
HMIS-E	Safety glasses, gloves, dust respirator	Skin	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	SARA	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	STEL	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo	Lowest concentration that is toxic to a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	TD Lo	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	TLV	Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	TP	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	TSCA	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	TWA	Time Weighted Average (8 hours)
KD	Kidney Damage (nephropathy)	UEL	Upper Explosive Limit

Leather Coatings, Inc.

and nCites LLC have compiled the information herein from sources believed to be reliable and up-to-date, and is accurate to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources or the completeness and expressly do not make warranties, nor assume any liability for its use. The information contained herein is provided for reference purposes only and is intended only for persons having relevant technical skills. Because conditions and manner of use are outside of our control, the user is responsible for determining the conditions of safe use of the product. Buyers and users assume all risk, responsibility and liability whatsoever for any and all injuries, losses, or damages to persons or property arising from the use of this product or information.

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