MATERIAL SAFETY DATA SHEET
EVR
Clean Air Solvent Degreaser

Revision 4 **Revision Date: 3/13/2009** **Supercedes: 8/25/2008**

Section 1 • Product and Company Identification

Product Name:	EVR Clean Air Solvent Degreaser
Part Number:	05220, 05201, 05205, 05255, C05220, C05201, C05205, C05255
Chemical Name:	Acetone/d-limonene mixture
Product Use:	A spray cleaner designed to remove paint residues from application equipment along with grease, grime, oil and other oil-based contaminants from various metallic parts.
Manufacturer Information:	LPS Laboratories, 4647 Hugh Howell Rd., Tucker, GA, USA 30084
TEL:	1 770-243-8800
Emergency Telephone Number:	1-800-424-9300 Chemtrec; Outside U.S.: (703) 527-3887
FAX:	1 770-243-8899
Website:	http://www.lpslabs.com

PLAIN LANGUAGE HAZARD SUMMARY

Material Safety Data Sheets can be confusing. Federal and State laws require us to include a great deal of technical information that probably won't help the non-professional. LPS includes this "PLAIN LANGUAGE HAZARD SUMMARY" to address the questions and concerns of the average worker. If you have additional health, safety or product questions, don't hesitate to call us at 800/241-8334.

Worker Toxicity

EVR Clean Air Solvent Degreaser is designed to remove paint residues from application equipment along with grease, grime, oil and other oil-based contaminants from various metallic parts. EVR Clean Air Solvent Degreaser can affect certain plastics and resins. Avoid spraying on painted surfaces (unless to assist in paint removal). It contains solvents that can be irritating to skin. We suggest you wear gloves and avoid extended exposure to unprotected skin. Don't get it in your eyes (it stings), or breath large amounts of the vapor (it will dry out your nasal passages and if you breathe large amounts in poorly ventilated areas it can make you dizzy and even sick). Don't spray EVR Clean Air Solvent Degreaser for extended periods without adequate ventilation. If you're going to perform work involving a lot of product in a poorly ventilated area, use of a respirator or even a self-contained breathing apparatus may be necessary. Use of filter masks with polystyrene filters is not recommended. For more exposure and first aid information, refer to MSDS Sections 2, 8 and 11.

Flammability

EVR Clean Air Solvent Degreaser is extremely flammable, having an NFPA flammability rating of "3" ("3" represents the flammability of many paint thinners. "4" represents the flammability of LPG – "gas grill fuel"). Store product away from heat sources and do not spray into or around ignition sources (welding, grinding, pilot lights, live electric equipment, etc.).

Disposal

If you spill EVR Clean Air Solvent Degreaser, notify the proper environmental or safety department at your company right away. If LPS EVR Clean Air Solvent becomes contaminated with another substance and is rendered unusable for cleaning, the resulting mixture may fall under at least one hazardous classification. Never pour LPS EVR Clean Air Solvent down a drain. See section 13 for additional information.

Section 2 • Hazards Identification

LPS EVR Clean Air Solvent is a V.O.C. compliant industrial cleaning solvent designed to remove residues from metal surfaces in manufacturing and maintenance applications in conformance with SCAQMD Rule 1171, Maricopa Rule 331 and other use-related rules for air pollution non-attainment urban areas. This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Emergency Overview: DANGER: Extremely flammable. Harmful or Fatal if Swallowed.

Primary route(s) of entry: Skin and Eye contact. Inhalation.

Potential Acute Health Effects:

Eyes Irritating to eyes

Skin Repeated exposure may cause skin dryness or cracking.

Inhalation: Excessive inhalation of vapors can cause irritation of the respiratory tract, nausea, dizziness or headache.

Ingestion: Product has a low order of acute oral toxicity, but ingestion of large quantities may cause nausea, vomiting, and gastrointestinal irritation. May cause injury if aspirated into lungs.

Potential Chronic Health Effects:

Carcinogenic Effects: NTP: No **IARC:** No **OSHA:** No

Mutagenic Effects: None

Teratogenic Effects: None

Medical conditions aggravated by exposure: Persons with pre-existing central nervous system (CNS) disease, neurological conditions, skin disorders, chronic respiratory diseases, or impaired liver or kidney function should avoid exposure.

Signs and Symptoms

Stinging in eyes. Repeated or prolonged skin contact can cause redness, irritation, and scaling of the skin (dermatitis). Breathing of high vapor concentrations may cause headaches, stupor, irritation of throat and eyes, and kidney effects.

Section 3 • Composition / Information on Ingredients

Component	CASRN	Percent by Weight
Acetone	67-64-1	90 - 100%
d-Limonene	5989-27-5	1 - 5%
Carbon Dioxide (aerosol only)	124-38-9	5 - 10%

Section 4 • First Aid Measures

Eyes: Check for and remove contact lenses. If irritation or redness develops, flush eyes with cool, clean, low pressure water for at least 15 minutes. Hold eyelids apart to ensure complete irrigation of the eye and eyelid tissue. Do not use eye ointment. Seek medical attention immediately.

Skin: Remove contaminated shoes and clothing. Clean affected area thoroughly with mild soap and water. Do not use ointments. Seek medical attention if irritation persists.

Inhalation: Immediately move victim to fresh air. If victim is not breathing, immediately begin rescue breathing. If heart has stopped, immediately begin cardiopulmonary resuscitation (CPR). If breathing is difficult, seek medical attention immediately.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. Do not leave victim unattended. Seek medical attention immediately.

Section 5 • Fire Fighting Measures

Flash point: TCC CLOSED CUP: -20°C (-4°F) bulk liquid

Flammable limits: LOWER: 2.5% UPPER: 12.8% **Auto ignition Temperature:** 465°C (869°F)

Products of Combustion: Carbon monoxide and carbon dioxide.

Firefighting media: SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Cool containing vessels with water jet in order to prevent pressure build-up, auto ignition or explosions.

Sensitivity to Impact: None. **Sensitivity to Static Discharge:** Yes

Protection Clothing (Fire): Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. Evacuate area and fight the fire from a maximum distance or use unmanned hose holders or monitor nozzles.

Special Remarks on Explosion Hazards: Containers may explode when heated and overwhelm sprinklers.

Section 6 • Accidental Release Measures

Containment Procedures	**Small Spill and Leak:**	Eliminate ignition sources. Absorb with an inert material and dispose of properly.
	Large Spill and Leak:	Eliminate ignition sources, secure the area and control access. Dike far ahead of a liquid spill to ensure complete collection. Pick up free liquid for disposal using absorbent pads, sand, or other inert non-combustible absorbent materials. Place into appropriate waste containers for later disposal.
Clean-Up Procedures	Recover free product and place in suitable container for disposal.	
Evacuation Procedures	Ventilate area of leak or spill. Keep unnecessary and unprotected people away.	
Special Procedures	Remove all sources of ignition. Ventilate area. Wear appropriate protective equipment during cleanup.	

Section 7 • Handling and Storage

Handling: DO NOT spray into or around ignition sources. After handling, always wash hands thoroughly with soap and water. Use only with adequate ventilation. Avoid breathing vapors or spray mists.

Storage: Keep container closed and in a cool, well-ventilated area. Avoid all sources of ignition (spark or flame). Store below 120°F. *Store aerosols as Level 2 Aerosol (NFPA 30B).*

Precautions to be taken in handling and storage: Store all materials in dry, well-ventilated area. Avoid breathing vapors. Ground and bond containers before transferring materials.

Section 8 • Exposure Controls / Personal Protection

Ingredients	CASRN	OSHA TWA-PEL	OSHA STEL	ACGIH-TLV	ACGIH-STEL	NIOSH REL
Acetone	67-64-1	1000 ppm	Not Established	500 ppm	750 ppm	250 ppm
d-Limonene	5989-27-5	Not Established	Not Established	Not Established	Not Established	Not Established
Carbon Dioxide	124-38-9	5,000 ppm	Not Established	5,000 ppm	30,000 ppm	5000 ppm

Engineering Controls: Provide local exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

Personal Protection:

Eyes: Safety goggles.

Respiratory: If airborne concentrations are above the applicable exposure limits (listed above), use NIOSH approved respiratory protection.

Hands: Use neoprene gloves.

General Hygiene Considerations: Wash thoroughly after handling. Have eye-wash facilities immediately available.

Section 9 – Physical and Chemical Properties

Appearance:	Liquid.	**Color:**	Clear, colorless
Odor/Taste:	Fragrant, slight orange	**Evaporation Rate:**	calc 7.7
Solubility Description:	Miscible in all proportions in water.	**Flash Point (°C):**	-20°C (-4°F)
Odor Threshold:	Not Determined.	**Decomposition Temperature:**	Not Determined.
Boiling Point:	56.5°C (133°F)	**Flash Point Method:**	TCC
Specific Gravity (Water=1):	0.79 @ 20°C/68°F	**Auto Ignition Temperature (°C):**	465°C (869°F)
Vapor Density (air=1):	2.0	**Partition Coefficient (octanol/water):**	Not Available
Vapor Pressure:	400 mmHg @ 39.5 °C	**Percent Volatiles by volume:**	100%
pH:	Not applicable	**Viscosity:**	<14 mm^2/sec
Flammable limits (estimated):	LOWER: 0.6% UPPER: 7%	**Melting Point (°C):**	Not Applicable
V.O.C. content	1.6%, 13 g/L, 0.1#/gal per CARB		

Section 10 • Stability and Reactivity

Chemical Stability:	Product is stable under recommended storage conditions.
Conditions to Avoid:	Keep away from heat and ignition sources. Exposure to direct sunlight for extended periods. Temperatures in excess of 50°C.
Incompatibility:	Extremely reactive or incompatible with oxidizing agents.
Hazardous Decomposition:	Combustion will generate smoke, possibly thick and choking, resulting in zero visibility and combustion products include carbon monoxide and carbon dioxide.
Hazardous Polymerization:	Will not occur.

Section 11 • Toxicological Information

Acute and Chronic Toxicity

A: General Product Information

Following exposure to vapors, this material can produce central nervous system depression. High atmospheric concentrations can result in eye, nasal and respiratory tract irritation. However, if handled in accordance with good industrial hygiene practice, this product will not present a significant hazard in the workplace.

B: Acute Toxicity

An acute toxicity study of this product has not been conducted. Information given in this section relates only to individual constituents contained in this preparation.

Ingredients	CASRN	LC-50	LD-50
Acetone	67-64-1	50100 mg/m^3/8hr. rat	5500 mg/kg rat
d-Limonene	5989-27-5	Not established	>5000 mg/kg/oral/rabbit >5000 mg/kg/dermal/rabbit
Carbon Dioxide	124-38-9	100000 ppm minimum	Not appropriate

Section 12 • Ecological Information

Ecological studies have not been conducted for this product. The following information is available for component(s) of this product.

Ecotoxicity:

Component	CASRN	Test	Species	Results
Acetone	67-64-1	48-hour EC_{50}	Daphnia magna	12700 mg/L
d-Limonene	5989-27-5	4-day LC50	Oncorhynchus mykiss	35,000 µg/L

Mobility: Semi-volatile. Readily absorbed into soil.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No bioaccumulation potential

Other adverse effects: None known.

Section 13 – Disposal Considerations

Waste Status: Aerosol products, if depressurized and emptied to less than 2.5 cm of fluid contents are classified as non-hazardous waste under 40 CFR 261.7 (U.S.). If disposed of in its received form, this item carries waste codes D001 and D003 (aerosol only). (U.S.)

Disposal: Waste must be disposed of in accordance with national, regional and local environmental control regulations.

Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information inaccurate, incomplete, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive than federal laws and regulations.

Section 14 – Transport Information

Aerosol				
D.O.T. Ground	Shipping Name:	Consumer Commodity	UN Number:	NA
	Hazard Class:	ORM-D	Technical Name:	NA
	Subclass:	NA	Hazard Label:	ORM-D
Road/Rail ADR/RID	UN no:	1950	ADR Class:	2
	Classification code:	5F	Shipping name:	Aerosols, flammable
	Labeling:	2.1	Packing Group:	NA
IMDG-IMO	UN no:	1950	Class:	2
	Shipping Name:	Aerosols	Packing Group:	NA
	EmS:	F-D, S-U	Packing Instructions:	P003
IATA-ICAO	UN no:	1950	Class:	2.1
	Proper Shipping Name:	Aerosols, flammable	Labeling:	Flammable Gas

Bulk				
D.O.T. Ground	Shipping Name:	Flammable Liquid, n.o.s	UN Number:	1993
	Hazard Class:	3	Technical Name:	Acetone, d-Limonene
	Subclass:	NA	Hazard Label:	Flammable Liquid
Road/Rail - ADR/RID	UN no:	1993	ADR Class:	3
	Classification code:	F1	Shipping name:	Flammable Liquid, n.o.s.
	Labeling:	3	Packing Group:	II
IMDG-IMO	UN no:	1993	Class:	3
	Shipping Name:	Flammable Liquid, n.o.s	Packing Group:	II
	EmS:	F-E, S-E	Packing Instructions:	P003
IATA-ICAO	UN no:	1993	Class:	3
	Proper Shipping Name:	Flammable Liquid, n.o.s	Labeling:	Flammable Liquid

Section 15 • Regulatory information

U.S. Federal Regulations

RCRA Hazardous Waste No.: D001, D003 (aerosol only)

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): Acetone 67-64-1 5000-lbs

Toxic Substances Control Act (TSCA):
All components of this product are TSCA inventory listed and/or are exempt.

Superfund Amendments and Reauthorization Act (SARA) Title III
SARA Section 311/312 (40 CFR 370) Hazard Categories:
Sudden Release of Pressure (aerosol only), Fire Hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard.

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372): None

Section 112 Hazardous Air Pollutants (HAPs): None

State Regulations

California: This product does **not** contain chemical(s) known to the State of California to cause cancer, birth defects or reproductive harm.

California and OTC States: This product conforms to consumer regulations.

New Jersey Right to Know:
Acetone 67-64-1 • d-Limonene 5989-27-5 • Carbon Dioxide 124-38-9 (aerosol only)

International Regulations

Canadian Environmental Protection Act: All of the components of this product are included on the Canadian Domestic Substances list (DSL).

Canadian Workplace Hazardous Materials Information System WHMIS:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification:

Aerosol: Class A, Class B5, Class D2B

Bulk: Class B2, Class D2B

Other Regulations

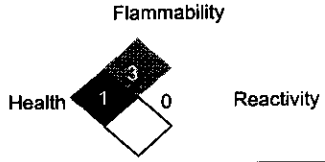
Montreal Protocol listed ingredients:	None.
Stockholm Convention listed ingredients:	None.
Rotterdam Convention listed ingredients:	None.
RoHS Compliant:	Yes.

Section 16 • Other Information

MSDS#15220
Responsible Name:
Clea Johnson
Regulatory Affairs Coordinator

HMIS 1996		HMIS III	
Health:	1	Health:	1
Flammability:	3	Flammability:	3
Reactivity:	0	Physical Hazard aerosol:	2
		Physical Hazard bulk:	0

NFPA



Notice to Reader:
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Clea L Johnson, Regulatory Affairs Coordinator
LPS Laboratories
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