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MSDS

**Common Name:** EVR CLEAN AIR SOLVENT, 05220, 05201, 05205, 05255

**Manufacturer:** LPS LABORATORIES

**MSDS Revision Date:** 6/5/2007

**Grainger Item Number(s):** 2HYX7, 2HYY1, 2HYY2

**Manufacturer Model Number(s):**

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LPS(R\*)

U.S. MATERIAL SAFETY DATA SHEET

EVR CLEAN AIR SOLVENT

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION



MANUFACTURER'S NAME: LPS LABORATORIES

ADDRESS:  
4647 HUGH HOWELL ROAD  
TUCKER, GA 30085-5052  
USA

TELEPHONE NUMBER: 770-243-8800

EMERGENCY TELEPHONE NUMBER: 1-800-424-9300 CHEMTREC

OUTSIDE U.S.: (703) 527-3887

TRADE NAME: LPS EVR CLEAN AIR SOLVENT

CHEMICAL FAMILY: KETONE BLEND

PART NUMBERS: 05220, 05201, 05205, 05255

**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:**

LPS EVR CLEAN AIR SOLVENT IS DESIGNED TO REMOVE PAINT RESIDUES FROM APPLICATION EQUIPMENT ALONG WITH GREASE, GRIME, OIL AND OTHER OIL-BASED CONTAMINANTS FROM VARIOUS METALLIC PARTS. 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 BREATHE 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 LPS EVR CLEAN AIR SOLVENT 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. FOR MORE EXPOSURE AND FIRST AID INFORMATION, REFER TO MSDS SECTIONS 2, 8 AND 11.

**FLAMMABILITY:**

LPS EVR CLEAN AIR SOLVENT 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 LPS EVR CLEAN AIR SOLVENT, 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. FROM A WORKER SAFETY STANDPOINT, THIS MATERIAL IS CONSIDERED HAZARDOUS BY THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

**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	98 - 100%
d-LIMONENE	5989-27-5	0 - 2%
CARBON DIOXIDE PROPELLANT (AEROSOL ONLY)	124-38-9	2 - 5%

### 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:  
CLOSED CUP: -20 DEG. C (-4 DEG. F). (TAGLIABUE.)

FLAMMABLE LIMITS:  
LOWER: 2.5%  
UPPER: 12.8%

AUTOIGNITION TEMPERATURE: 465 DEG. C (869 DEG. 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, AUTOIGNITION 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



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.

## 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 DEG. F. STORE AEROSOLS AS LEVEL 3 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 PEL-TWA	ACGIH-TLV	OTHER LIMITS
ACETONE	67-64-1	1000 PPM	500 PPM	750 PPM ACGIH-STEL
d-LIMONENE	5989-27-5	NOT ESTABLISHED	NOT ESTABLISHED	NOT ESTABLISHED
CARBON DIOXIDE (AEROSOL ONLY)	124-38-9	5,000 PPM	5,000 PPM	30,000 STEL (ACGIH)

**ENGINEERING CONTROLS:**

PROVIDE 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:**

USE ORGANIC VAPOR CARTRIDGE TYPE RESPIRATOR IF VENTILATION IS INADEQUATE.

HANDS: USE NEOPRENE GLOVES.

**GENERAL HYGIENE CONSIDERATIONS:**

WASH THOROUGHLY AFTER HANDLING. HAVE EYE-WASH FACILITIES IMMEDIATELY AVAILABLE.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: CLEAR, COLORLESS, VOLATILE LIQUID.

% VOLATILES BY VOLUME @ 21 DEG. C (70 DEG. F): 100

ODOR: FRAGRANT, SLIGHT ORANGE

BOILING POINT: 56.5 DEG. C (133 DEG. F) @ 760 MMHg

SOLUBILITY: MISCIBLE IN ALL PROPORTIONS IN WATER.

MELTING POINT: -95 DEG. C (-139 DEG. F)

SPECIFIC GRAVITY: 0.79 @ 20 DEG. C/68 DEG. F

VAPOR DENSITY (AIR=1): 2.0

pH: NOT APPLICABLE

VAPOR PRESSURE (MMHg): 400 @ 39.5 DEG. C/104 DEG. F

VOC CONTENT: 15 G/L

EVAPORATION RATE (BuAc=1): CA. 7.7

**SECTION 10 - STABILITY AND REACTIVITY**

STABILITY AND REACTIVITY: THE PRODUCT IS STABLE.

**INCOMPATIBILITY WITH VARIOUS SUBSTANCES:**

EXTREMELY REACTIVE OR INCOMPATIBLE WITH OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS:  
THESE PRODUCTS ARE CARBON OXIDES (CO, CO2)

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.

INGREDIENTS	CASRN	LC-50	LD-50
ACETONE	67-64-1	50100 MG/M3/8HR. RAT	5500 MG/KG RAT
d-LIMONENE	5989-27-5	NOT ESTABLISHED	>5000 MG/KG (ORAL, RABBIT) >5000 MG/KG (DERMAL, RABBIT)
CARBON DIOXIDE (AEROSOL ONLY)	124-38-9	100000 PPM MINIMUM	NOT APPROPRIATE

## SECTION 12 - ECOLOGICAL INFORMATION



MOBILITY: SEMI-VOLATILE. READILY ABSORBED INTO SOIL.

PERSISTENCE AND DEGRADABILITY: BIODEGRADABLE.

BIOACCUMULATIVE POTENTIAL: NO BIOACCUMULATION POTENTIAL

OTHER ADVERSE EFFECTS: NONE KNOWN.

COMPONENT	CASRN	TEST	SPECIES	RESULTS
ACETONE	67-64-1	48-HOUR EC50	DAPHNIA MAGNA	12700 MG/L
d-LIMONENE	5989-27-5	4-DAY LC50	ONCORHYNCHUS MYKISS	35,000 (MICRO)G/L

## SECTION 13 - DISPOSAL CONSIDERATIONS



WASTE STATUS:

IF DISCARDED IN ITS PURCHASED FORM, THIS MATERIAL CARRIES WASTE CODES D001 AND D003.

DISPOSAL:

WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE 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**

## AEROSOLS ONLY:

MODE	SHIPPING NAME	HAZARD CLASS	SUBCLASS	UN NUMBER
D.O.T. GROUND	CONSUMER COMMODITY	ORM-D	NA	1950
IATA	AEROSOLS, FLAMMABLE	2.1	NA	1950
IMDG (REGULAR)	AEROSOL	2.1	NA	1950

MODE	TECHNICAL NAME	HAZARD LABEL	PACKING GROUP	EMERGENCY RESPONSE GUIDE
D.O.T. GROUND	NA	ORM-D	NA	NA
IATA	NA	FLAMMABLE GAS	NA	NA
IMDG (REGULAR)	NA	FLAMMABLE GAS	NA	F-D, S-U

## 1-GALLON, 5-GALLON AND 55-GALLON CONTAINERS:

MODE	SHIPPING NAME	HAZARD CLASS	SUBCLASS	UN NUMBER
D.O.T. GROUND	FLAMMABLE LIQUID, N.O.S.	3	NA	1993
IATA (1-GALLON ONLY)	FLAMMABLE LIQUID, N.O.S.	3	NA	1993
IMDG (REGULAR)	FLAMMABLE LIQUID, N.O.S.	3	NA	1993

MODE	TECHNICAL NAME	HAZARD LABEL	PACKING GROUP	EMERGENCY RESPONSE GUIDE
D.O.T. GROUND	ACETONE, d-LIMONENE	FLAMMABLE LIQUID	II	NA
IATA (1-GALLON ONLY)	ACETONE, d-LIMONENE	FLAMMABLE LIQUID	II	NA
IMDG (REGULAR)	ACETONE, d-LIMONENE	FLAMMABLE LIQUID	II	F-E, S-E

5 GALLON CONTAINERS MUST BE SHIPPED VIA "CARGO AIRCRAFT ONLY" FOR AIR TRANSPORT.

55 GALLON DRUMS CANNOT BE SHIPPED BY AIR!

**SECTION 15 - REGULATORY INFORMATION**

## U.S. FEDERAL REGULATIONS:

## TSCA 8(B) INVENTORY:

ALL OF THE INGREDIENTS ARE LISTED ON THE TSCA INVENTORY OR ARE EXEMPT.

RCRA HAZARDOUS WASTE NO.: D001, D003

CERCLA SECTIONS 102A/103 HAZARDOUS SUBSTANCES (40 CFR PART 370) REPORTABLE QUANTITY: 5000 LBS. (ACETONE)

SARA TITLE III SECTIONS 311/312 HAZARDOUS CATEGORIZATION (40 CFR PART 370):  
FIRE HAZARD, IMMEDIATE (ACUTE) HEALTH HAZARD, DELAYED (CHRONIC) HEALTH  
HAZARD.

SARA TITLE III SECTION 313: NO

HAZARDOUS AIR POLLUTANTS (U.S. EPA): NONE

STATE REGULATIONS:

NEW JERSEY RTK:

ACETONE (CASRN: 67-64-1)

d-LIMONENE (CASRN: 5989-27-5)

CALIFORNIA PROPOSITION 65: NONE.

CALIFORNIA AND OTC STATES: THIS PRODUCT CONFORMS TO CONSUMER REGULATIONS.

## SECTION 16 - OTHER INFORMATION



MSDS#: 15220

RESPONSIBLE NAME:

ED WILLIAMS

TECHNICAL MANAGER

HMIS:

HEALTH 1

FLAMMABILITY 3

REACTIVITY 0

NFPA:

HEALTH 1

FLAMMABILITY 3

REACTIVITY 0

NOTICE TO READER:

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE.  
HOWEVER, NEITHER THE ABOVE NAMED SUPPLIER NOR ANY OF ITS SUBSIDIARIES  
ASSUMES ANY LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE  
INFORMATION CONTAINED HEREIN. FINAL DETERMINATION OF SUITABILITY OF ANY  
MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALL MATERIALS MAY PRESENT  
UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS  
ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS  
THAT EXIST.

ED WILLIAMS, TECHNICAL MANAGER

PT TECHNOLOGIES

A DIVISION OF ILLINOIS TOOL WORKS

FORM #: 3527

CURRENT REVISION: 6/5/07

PREVIOUS REVISION: NONE.