

SAFETY DATA SHEET

1. Identification

Product identifier	LPS® Electro 140º
Other means of identification Part Number	00916
Recommended use	A high flash point, low-odor, contact cleaner used to clean precision parts.
Recommended restrictions	None known.
Manufacturer/Importer/Supplier	/Distributor information
Manufacturer	
Manufacturer	
Company name	LPS Laboratories, a division of Illinois Tool Works, Inc.
Address	4647 Hugh Howell Rd.
	Tucker, GA 30084
Country	(U.S.A.)
	Tel: +1 770-243-8800
In Case of Emergency	1-800-424-9300 (inside U.S.)
	+001 703-527-3887 (outside U.S.)
Website	www.lpslabs.com
E-mail	sds@lpslabs.com

2. Hazard(s) identification

Physical hazards	Flammable aerosols	Category 1
	Gases under pressure	Compressed gas
Health hazards	Not classified.	
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	
Label elements		



Signal word	Danger
Hazard statement	Extremely flammable aerosol. Pressurized container: May burst if heated. Contains gas under pressure; may explode if heated.
Precautionary statement	
Prevention	Keep away from heat/sparks/open flames/hot surfaces No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wear protective gloves.
Response	If skin irritation occurs: Get medical advice/attention.
Storage	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	Repeated exposure may cause skin dryness or cracking.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Naphtha, Petroleum, Hydrotreated Heavy		64742-48-9	70 - 80

3-Methoxy-3-methyl-1-butanol (MMB)		56539-66-3	20 - 30
Carbon Dioxide		124-38-9	1 - 5
First-aid measures			
halation	Remove victim to fresh air and keep at rest in a p CENTER or doctor/physician if you feel unwell.	position comfortable for b	reathing. Call a Po
kin contact	Remove contaminated clothing. Wash with plent medical advice/attention. Wash contaminated clo		in irritation occurs
ye contact	Immediately flush eyes with plenty of water for at present and easy to do. Continue rinsing. Get me		
ngestion	Call a physician or poison control center immedia vomiting occurs, keep head low so that stomach cause pulmonary edema and pneumonitis.		
lost important ymptoms/effects, acute and elayed	Symptoms of overexposure may be headache, d Symptoms may include stinging, tearing, redness cause redness and pain.		
ndication of immediate nedical attention and special eatment needed	Provide general supportive measures and treat s Symptoms may be delayed.	ymptomatically. Keep vic	tim under observa
eneral information	Ensure that medical personnel are aware of the protect themselves.	material(s) involved, and	take precautions t
. Fire-fighting measures			
uitable extinguishing media	Alcohol resistant foam. Water spray. Water fog.	Dry chemical powder. Ca	rbon dioxide (CO2
nsuitable extinguishing edia	Do not use water jet as an extinguisher, as this w	vill spread the fire.	
pecific hazards arising from ne chemical	Contents under pressure. Pressurized container During fire, gases hazardous to health may be for		sed to heat or flam
pecial protective equipment nd precautions for firefighters	Firefighters must use standard protective equipm face shield, gloves, rubber boots, and in enclose		dant coat, helmet
ire fighting quipment/instructions	In case of fire: Stop leak if safe to do so. Move co risk. Containers should be cooled with water to p in cargo area, use unmanned hose holder or mo fire burn out.	revent vapor pressure bu	ild up. For massiv
pecific methods	Use standard firefighting procedures and conside containers from fire area if you can do so without water until well after the fire is out. In the event o	risk. Cool containers ex	posed to flames wi
eneral fire hazards	Extremely flammable aerosol. Contents under pr exposed to heat or flame.	essure. Pressurized cont	ainer may explode
. Accidental release meas	sures		
ersonal precautions, rotective equipment and mergency procedures	Keep people away from and upwind of spill/leak. than air and will spread along ground and collect tanks). Wear appropriate protective equipment a Do not touch damaged containers or spilled mate clothing. Ventilate closed spaces before entering significant spillages cannot be contained. Use per the SDS.	in low or confined areas nd clothing during clean- erial unless wearing appr them. Local authorities	(sewers, basemen up. Avoid breathin opriate protective should be advised
lethods and materials for ontainment and cleaning up	Refer to attached safety data sheets and/or instr smoking, flares, sparks, or flames in immediate a away from spilled material. Stop leak if you can c open area if the leak is irreparable. Use water sp Isolate area until gas has dispersed. Scoop up us container. Prevent entry into waterways, sewer, b see section 13 of the SDS.	area). Keep combustibles to so without risk. Move t ray to reduce vapors or o sed absorbent into drums	(wood, paper, oil, he cylinder to a sa livert vapor cloud o s or other appropri

7. Handling and storage

Precautions for safe handling	Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not re-use empty containers. Avoid breathing gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Level 3 Aerosol. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store in a well-ventilated place. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Components	Туре	Value
Carbon Dioxide (CAS 124-38-9)	PEL	9000 mg/m3
,		5000 ppm
US. ACGIH Threshold Lim	it Values	
Components	Туре	Value
Carbon Dioxide (CAS 124-38-9)	STEL	30000 ppm
	TWA	5000 ppm
US. NIOSH: Pocket Guide	to Chemical Hazards	
Components	Туре	Value
Carbon Dioxide (CAS 124-38-9)	STEL	54000 mg/m3
		30000 ppm
	TWA	9000 mg/m3
		5000 ppm
logical limit values	No biological exposure limits noted f	5
propriate engineering htrols	should be matched to conditions. If a or other engineering controls to mair	D air changes per hour) should be used. Ventilation rates applicable, use process enclosures, local exhaust ventilation ntain airborne levels below recommended exposure limits. lished, maintain airborne levels to an acceptable level.
ividual protection measure	s, such as personal protective equipn	nent
Eye/face protection	Wear safety glasses with side shield	
Skin protection		
Hand protection	Chemical resistant gloves are recom	mended.
Other	Avoid contact with the skin. Wear ap	propriate chemical resistant clothing.
Respiratory protection	When workers are facing concentrat certified respirators.	ions above the exposure limit they must use appropriate
Thermal hazards	Not applicable.	
neral hygiene nsiderations		ene measures, such as washing after handling the materia moking. Routinely wash work clothing and protective
Physical and chemica	I properties	
pearance	Liquid.	
Physical state	Gas.	

Aerosol.

Clear. Colorless. Mild. Ether-like.

Form

Color

Odor

Odor threshold	Not established
рН	Not applicable
Melting point/freezing point	Not established
Initial boiling point and boiling range	345.2 °F (174 °C)
Flash point	> 140.0 °F (> 60.0 °C) Tag Closed Cup
Evaporation rate	< 0.1 (BuAc = 1)
Flammability (solid, gas)	Flammable gas.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	1.2 %
Flammability limit - upper (%)	13.1 %
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	0.49 mm Hg @ 20°C
Vapor density	5.1 (air = 1)
Relative density	Not available.
Solubility(ies)	
Solubility (water)	25 % in water
Partition coefficient (n-octanol/water)	< 1
Auto-ignition temperature	> 500 °F (> 260 °C)
Decomposition temperature	Not established
Viscosity	Not established
Other information	
Heat of combustion	> 30 kJ/g
Percent volatile	100 %
VOC (Weight %)	96.8 % per US State and Federal Consumer Product Regulations

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Heat. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause discomfort if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. Exposure may cause temporary irritation, redness, or discomfort.

Information on toxicological effects

Acute toxicity

Components	Species	Test Results
Naphtha, Petroleum, Hydrotreated	d Heavy (CAS 64742-48-9)	
Acute		
Dermal	Dates	
LD50	Rabbit	> 1900 mg/kg, 24 Hours
Inhalation LC50	Rat	> 5000 mg/m3, 4 Hours
2050	Παι	-
		> 4980 mg/m3
		> 4980 mg/m3, 4 Hours
		> 4.96 mg/l, 4 Hours
<i>Oral</i> LD50	Rat	
		4820 mg/kg
Skin corrosion/irritation		orary irritation. Defatting, drying and cracking of skin.
Serious eye damage/eye rritation	Direct contact with eyes may cause tem	porary irritation.
Respiratory or skin sensitizatio	n	
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause sk	
Germ cell mutagenicity	No data available to indicate product or a mutagenic or genotoxic.	any components present at greater than 0.1% are
Carcinogenicity	This product is not considered to be a ca	arcinogen by IARC, ACGIH, NTP, or OSHA.
OSHA Specifically Regulate Not listed.	ed Substances (29 CFR 1910.1001-1050)	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.	
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.	
Aspiration hazard	Not likely, due to the form of the product	
Chronic effects	Prolonged inhalation may be harmful.	
10 Feelewieel information		
12. Ecological information		
Ecotoxicity		nentally hazardous. However, this does not exclude the n have a harmful or damaging effect on the environmen
Persistence and degradability	Not inherently biodegradable.	
Bioaccumulative potential	Not available.	
Partition coefficient n-octai	nol / water (log Kow) < 1	
Nobility in soil	No data available.	
Other adverse effects	None known.	
13. Disposal consideratio	ns	
Disposal instructions	Consult authorities before disposal. Con	tents under pressure. Do not puncture, incinerate or cru ance with local/regional/national/international regulations
_ocal disposal regulations	Dispose in accordance with all applicabl	
lazardous waste code	D003: Waste Reactive material	-
Waste from residues / unused products	Dispose of in accordance with local regu	lations. Empty containers or liners may retain some ontainer must be disposed of in a safe manner (see:
Contaminated packaging	Empty containers should be taken to an	approved waste handling site for recycling or disposal. Iduct residue, follow label warnings even after container

14. Transport information

DOT	
UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None
ΙΑΤΑ	
UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Environmental hazards	No
ERG Code	10L
	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo	Allowed.
aircraft	
Cargo aircraft only	Allowed.
IMDG	
UN number	UN1950
UN proper shipping name	AEROSOLS, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Environmental hazards	
Marine pollutant	No
EmS	F-D, S-U
	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to	This substance/mixture is not intended to be transported in bulk.
Annex II of MARPOL 73/78 and	
the IBC Code	







15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Hazard categories

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - No Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous Yes chemical

SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated. (SDWA)

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed.

US. Massachusetts RTK - Substance List

Carbon Dioxide (CAS 124-38-9)

US. New Jersey Worker and Community Right-to-Know Act

Carbon Dioxide (CAS 124-38-9)

US. Pennsylvania Worker and Community Right-to-Know Law

Carbon Dioxide (CAS 124-38-9)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	09-04-2014	
Version #	01	
Disclaimer	LPS Laboratories cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.	