# SAFETY DATA SHEET

# 1. Identification

**Product identifier** Lectra Clean® II Non-Chlorinated Heavy Duty Degreaser

Other means of identification

No. 02120 (Item# 1003209) **Product Code** Recommended use Electrical equipment cleaner

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufactured or sold by:

CRC Industries. Inc. Company name

885 Louis Dr. **Address** 

Warminster, PA 18974 US

**Telephone** 

**General Information** 215-674-4300 **Technical Assistance** 800-521-3168 **Customer Service** 800-272-4620 24-Hour Emergency 800-424-9300 (US)

(CHEMTREC) 703-527-3887 (International) Website www.crcindustries.com

# 2. Hazard(s) identification

**Physical hazards** Flammable aerosols Category 1

> Gases under pressure Compressed gas Serious eye damage/eye irritation Category 2A

Aspiration hazard

**Environmental hazards** Not classified. Not classified. **OSHA** defined hazards

Label elements

**Health hazards** 



Signal word Danger

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May be fatal if **Hazard statement** 

swallowed and enters airways. Causes serious eye irritation.

**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. Do not apply while equipment is energized. Extinguish all flames, pilot lights, and heaters. Vapors will accumulate readily and may ignite. Use only with adequate ventilation; maintain ventilation during use and until all vapors are gone. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Wash thoroughly after handling. Wear eye

Category 1

protection/face protection.

If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If in eyes: Rinse Response

cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists: Get medical advice/attention.

Store in a well-ventilated place. Store locked up. Protect from sunlight. Do not expose to Storage

temperatures exceeding 50°C/122°F. Exposure to high temperature may cause can to burst.

Dispose of contents/container in accordance with local/regional/national regulations. **Disposal** 

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Supplemental information

None.

# 3. Composition/information on ingredients

#### **Mixtures**

Ingestion

Chemical name	Common name and synonyms	CAS number	%
distillates (petroleum), hydrotreate light	d	64742-47-8	50 - 60
dipropylene glycol monopropyl ether (dpmp)		29911-27-1	20 - 30
carbon dioxide		124-38-9	3 - 5

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Wash off with soap and water. Get medical attention if irritation develops and persists. Skin contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if Eve contact present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If

vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and

delayed

Indication of immediate

medical attention and special treatment needed **General information** 

Aspiration may cause pulmonary edema and pneumonitis. Headache. Nausea, vomiting. Diarrhea. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

# 5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing media

Specific hazards arising from the chemical

Special protective equipment and precautions for firefighters

Fire fighting

equipment/instructions

General fire hazards

Water fog. Alcohol resistant foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO2).

Do not use water jet as an extinguisher, as this will spread the fire.

Contents under pressure. Pressurized container may rupture when exposed to heat or flame. During fire, gases hazardous to health may be formed.

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up.

Extremely flammable aerosol. Contents under pressure. Pressurized container may rupture when exposed to heat or flame.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop the flow of material, if this is without risk. Wipe up with absorbent material (e.g., cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

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#### **Environmental precautions**

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

# 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. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. For product usage instructions, see the product label.

# Conditions for safe storage, including any incompatibilities

Level 2 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. This material can accumulate static charge which may cause spark and become an ignition source. Store in a well-ventilated place. Stored containers should be periodically checked for general condition and leakage. Store away from incompatible materials (see Section 10 of the SDS).

# 8. Exposure controls/personal protection

# Occupational exposure limits

Components	Type	Value	
carbon dioxide (CAS 124-38-9)	PEL	9000 mg/m3	
·		5000 ppm	
distillates (petroleum), hydrotreated light (CAS 64742-47-8)	PEL	400 mg/m3	
		100 ppm	
US. ACGIH Threshold Limit Valu	ies		
Components	Туре	Value	
carbon dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	
US. NIOSH: Pocket Guide to Cho	emical Hazards		
Components	Туре	Value	
carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m3	
		30000 ppm	

# 64742-47-8) **Biological limit values**

distillates (petroleum),

hydrotreated light (CAS

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower should be available when handling this product.

9000 mg/m3 5000 ppm

100 mg/m3

#### Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear protective gloves such as: Nitrile. Neoprene.

Other Wear appropriate chemical resistant clothing.

**TWA** 

TWA

Respiratory protection If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a

NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to

determine actual employee exposure levels.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work

clothing and protective equipment to remove contaminants.

# 9. Physical and chemical properties

**Appearance** 

Physical state Liquid.

Form Aerosol.

Color Water-white.

Odor Slight. Hydrocarbon-like.

Odor threshold Not available.
pH Not available.

Melting point/freezing point -121 °F (-85 °C) estimated Initial boiling point and boiling 392 °F (200 °C) estimated

range

Flash point 185 °F (85 °C) Setaflash

Evaporation rate Slow.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower

0.6 % estimated

(%)

Flammability limit - upper

8.3 % estimated

(%)

Vapor pressure 2265.4 hPa estimated

Vapor density > 1 (air = 1)

Relative density 0.87 estimated

Solubility(ies)

Solubility (water) Slightly soluble.

Partition coefficient Not available.

(n-octanol/water)

**Auto-ignition temperature** 

401 °F (205 °C) estimated

**Decomposition temperature** Not available. **Percent volatile** 96 % estimated

#### 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

No dangerous reaction known under conditions of normal use.

Conditions to avoid Heat, flames and sparks. Avoid temperatures exceeding the flash point. Contact with incompatible

materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition Carbon oxides. Aldehydes. Ketones. Organic acids.

products

# 11. Toxicological information

# Information on likely routes of exposure

**Inhalation** Prolonged inhalation may be harmful.

**Skin contact** No adverse effects due to skin contact are expected.

**Eye contact** Causes serious eye irritation.

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**Ingestion** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious

chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics

Aspiration may cause pulmonary edema and pneumonitis. Headache. Nausea, vomiting. Diarrhea. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and

5340 mg/kg

1475 mg/kg

blurred vision.

Information on toxicological effects

**Acute toxicity** May be fatal if swallowed and enters airways.

Components Species Test Results

dipropylene glycol monopropyl ether (dpmp) (CAS 29911-27-1)

Acute Dermal

LD50 Rabbit > 2000 mg/kg

Oral

LD50 Rat > 2000 mg/kg

distillates (petroleum), hydrotreated light (CAS 64742-47-8)

**Acute** 

**Dermal** 

LD50 Rabbit > 2000 mg/kg

Inhalation

LC50 Rat > 20 mg/l, 4 hours

Oral

LD50 Rat > 5000 mg/kg

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye

irritation

Causes serious eye irritation.

Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

**Carcinogenicity** Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

**Reproductive toxicity**This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard May be fatal if swallowed and enters airways. If aspirated into lungs during swallowing or vomiting,

may cause chemical pneumonia, pulmonary injury or death.

**Chronic effects** Prolonged inhalation may be harmful.

# 12. Ecological information

**Ecotoxicity**The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

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**Test Results** Components **Species** 

dipropylene glycol monopropyl ether (dpmp) (CAS 29911-27-1)

Acute

EC50 Crustacea Water flea (Daphnia magna) > 100 mg/l, 48 hours Fish LC50 Rainbow trout, donaldson trout > 100 mg/l, 96 hours

(Oncorhynchus mykiss)

distillates (petroleum), hydrotreated light (CAS 64742-47-8)

Aquatic

Crustacea EC50 Water flea (Daphnia pulex) 2.7 - 5.1 mg/l, 48 hours

No data is available on the degradability of any ingredients in the mixture. Persistence and degradability

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

dipropylene glycol monopropyl ether (dpmp) 0.87 OECD 107 0.88 OECD 107

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Hazardous waste code Not regulated.

Empty containers should be taken to an approved waste handling site for recycling or disposal. Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is

The dispensed liquid product is not a RCRA hazardous waste (See 40 CFR Part 261.20 - 261.33). **Disposal instructions** 

> Empty container can be recycled. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches

with chemical or used container. Dispose in accordance with all applicable regulations.

14. Transport information

DOT

UN1950 **UN** number

**UN proper shipping name** 

Transport hazard class(es)

Aerosols, flammable, Limited Quantity

Class 2.1 Subsidiary risk 2.1 Label(s)

Packing group Not applicable.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Special provisions N82 306 Packaging exceptions 304 Packaging non bulk Packaging bulk None

**IATA** 

**UN** number UN1950

**UN** proper shipping name Aerosols, flammable, Limited Quantity

Transport hazard class(es)

Class 2.1 Subsidiary risk

Packing group Not applicable.

**ERG Code** 

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo Allowed with restrictions.

aircraft

Cargo aircraft only

Allowed with restrictions.

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**IMDG** 

**UN number** UN1950 UN proper shipping name AEROSOLS, Limited Quantity

Transport hazard class(es)

Class 2 Subsidiary risk -

Packing group Not applicable.

**Environmental hazards** 

Marine pollutant No. EmS F-D, S-U

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

## 15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

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

Not regulated.

#### SARA 304 Emergency release notification

Not regulated.

# OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Not regulated.

### **CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

### **CERCLA Hazardous Substances: Reportable quantity**

Not listed.

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

### 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

(SDWA)

Not regulated.

Food and Drug Not regulated.

Administration (FDA)

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Classified hazard Flammable (gases, aerosols, liquids, or solids)

categories Gas under pressure

Acute toxicity (any route of exposure) Serious eye damage or eye irritation

Aspiration hazard

## SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous Yes

chemical

### SARA 313 (TRI reporting)

Not regulated.

#### **US state regulations**

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

carbon dioxide (CAS 124-38-9)

#### **US. Massachusetts RTK - Substance List**

carbon dioxide (CAS 124-38-9)

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

carbon dioxide (CAS 124-38-9)

distillates (petroleum), hydrotreated light (CAS 64742-47-8)

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#### US. Rhode Island RTK

carbon dioxide (CAS 124-38-9)

#### **California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

## US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

distillates (petroleum), hydrotreated light (CAS 64742-47-8)

### Volatile organic compounds (VOC) regulations

**EPA** 

VOC content (40 CFR

51.100(s))

96 %

**Consumer products** 

(40 CFR 59, Subpt. C)

Not regulated

State

This product is regulated as an Electrical Cleaner. This product is compliant for use in all 50 Consumer products

states.

VOC content (CA) 0 % VOC content (OTC) 0 %

#### 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)	No
Europe	European List of Notified Chemical Substances (ELINCS)	Yes

Japan Inventory of Existing and New Chemical Substances (ENCS) No Korea Existing Chemicals List (ECL) Yes New Zealand New Zealand Inventory Yes **Philippines** Philippine Inventory of Chemicals and Chemical Substances Yes

(PICCS)

Taiwan Taiwan Toxic Chemical Substances (TCS) Yes United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

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

Issue date 08-12-2014 **Revision date** 02-12-2018 Allison Yoon Prepared by

Version # 02

**Further information** CRC # 490C/1002479

The information contained in this document applies to this specific material as supplied. It may not Disclaimer

> be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC's knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this (M)SDS consult your supervisor, a health & safety

professional, or CRC Industries, Inc..

**Revision information** This document has undergone significant changes and should be reviewed in its entirety.

Material name: Lectra Clean® II Non-Chlorinated Heavy Duty Degreaser

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<sup>\*</sup>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).