



SAFETY DATA SHEET

1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name: CLR BRANDS® - Stainless Steel Streak-Free Cleaner

Product Use: Cleaner.

Restrictions on Use: None known.

Manufacturer: Jelmar, LLC
Address: 5550 W. Touhy Ave.
Skokie, IL 60077 USA
1 (847) 675-8400

Emergency Phone Number: 1 (800) 323-5497 (USA) 8:30 A.M. – 4:30 P.M. CST Monday – Friday
Emergency 24-hour Contact: Chemtrec 1 (800) 424-9300

2 – HAZARDS IDENTIFICATION

COMPLIES WITH 29 CFR 1900.1200 DATED FEBRUARY 2013

CLASSIFICATION

Physical hazards Flammable Aerosols, Category 1
Gases Under Pressure, Compressed Gas
Health hazards Skin Irritation, Category 2
Aspiration Hazard, Category 1

LABEL ELEMENTS



Signal Word Danger

Hazard statements Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation. May be fatal if swallowed and enters airways.

Precautionary statement(s)

Keep away from heat, sparks, open flames and 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.
Wash skin thoroughly after handling.
Wear protective gloves.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
IF SWALLOWED: Immediately call a poison center/doctor.
Do NOT induce vomiting.
Store in a well-ventilated place.



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Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Store locked up.
Keep out of reach of children.
Dispose of contents/container in accordance with local, regional and national regulations.

Hazard(s) not otherwise classified (HNOC): None

Unknown Acute Toxicity: Not applicable.

SECTION 3 – COMPOSITION /INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>OSHA Hazard</u>	<u>% by Weight</u>
1. Butane	106-97-8	YES	10 - <20
2. C11-15 Alkane/Cycloalkane	64742-47-8	YES	10 - <20
3. Mineral Oil	8042-47-5	YES	10 - <20
4. Propane	74-98-6	YES	1 - <5

The exact percentages (concentration) of mixture have been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4 – FIRST AID MEASURES

FIRST AID MEASURES

EYE CONTACT: In case of eye contact, immediately rinse eyes thoroughly with water for several minutes. If eye irritation persists: Get medical advice.

SKIN CONTACT: In case of skin contact, rinse area for at least 15 minutes. Remove contaminated clothing and shoes, wash thoroughly before reuse. If irritation persists, get medical attention.

INHALATION: Remove to fresh air. If breathing is difficult, GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION: If swallowed, DO NOT induce vomiting, rinse mouth. Call POISON CENTER or doctor immediately. NEVER give an unconscious person anything to ingest. If vomiting occurs, keep head low so that stomach content does not get into the lungs.

MOST IMPORTANT SYMPTOMS AND EFFECTS: Prolonged skin contact may cause mild skin irritation. Symptoms may include redness, discomfort and itching. Aspiration may cause pulmonary edema and pneumonitis.

NOTES TO PHYSICIAN: Provide general supportive measures and treat symptomatically. Provide SDS to physician. Symptoms may be delayed.

SECTION 5 – FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water fog. Alcohol resistant foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO₂).

UNSUITABLE EXTINGUISHING MEDIA: None known.

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide. During fire, gases hazardous to health may be formed.



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SPECIAL HAZARDS ARISING FROM THE PRODUCT: Extremely flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame. Combustible.

FIRE FIGHTING METHODS: Evacuate area of personnel. Wear protective NIOSH-approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Vapors may travel considerable distance to a source of ignition and flash back. Use water spray to cool fire-exposed containers. Contaminated extinguishing water must be disposed of in accordance with local, state and federal regulations.

FIRE AND EXPLOSION HAZARDS: Extremely flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame. Combustible.

SECTION 6 – ACCIDENTAL RELEASES MEASURES

PERSONAL PRECAUTIONS: Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Ensure adequate ventilation. Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Use personal protective equipment, see Section 8. Isolate area and deny entry to unnecessary and unprotected personnel. Keep upwind.

METHODS FOR CONTAINMENT AND CLEAN UP:

Small Spill: Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent. Wear rubber gloves.

Large Spill: Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent. Wear rubber gloves. Dispose of collected material according to local, state, and federal regulations. Avoid direct discharge to sewers and surface waters.

SECTION 7 – HANDLING AND STORAGE

HANDLING: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid contact with eyes, skin or clothing. Use appropriate personal protective equipment (see Section 8). Use with adequate ventilation. Avoid breathing vapors. Observe good industrial hygiene practices when handling this material. Do not eat, drink, or smoke in work area. Wash hands thoroughly after use. Keep out of reach of children.

STORAGE: Store locked up. Store in cool, well-ventilated area. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Do not pierce or burn, even after use. Aerosol Level 1. Keep containers tightly closed. Store in original containers in a secure area away from children and pets.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>PEL/TWA</u>	<u>OSHA</u>	<u>ACGIH</u>	
		<u>STEL/C</u>	<u>TWA</u>	<u>STEL/C</u>
1. Butane	800 ppm/1,900 mg/m ³	N.E.	1,000 ppm	N.E.
2. C11-15 Alkane/ Cycloalkane	N.E.	N.E.	200 mg/m ³	N.E.
3. Mineral Oil	5 mg/m ³	N.E.	5 mg/m ³	N.E.
4. Propane	1,000 ppm/1,800 mg/m ³	N.E.	N.E.	N.E.



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ENGINEERING CONTROLS: Use with adequate ventilation. Do not use in closed or confined spaces. Avoid prolonged breathing of vapors of this product. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If occupational exposure limits have not been established, maintain airborne levels to an acceptable level.

RESPIRATORY PROTECTION: None required during normal household use. In an industrial setting, respiratory protection must be worn if ventilation does not eliminate symptoms or keep levels below recommended exposure limits. If vapor is present, wear NIOSH-Approved respirator for vapors and mists, NIOSH-Approved self-contained breathing apparatus, NIOSH-Approved full-face piece positive-pressure, air-supplied respirator. DO NOT exceed limits established by respirator manufacturer. Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of product.

EYE PROTECTION: Not required during normal household usage. Wear safety glasses/goggles if potential for exposure exists. Industrial users wear safety goggles; wear face protection if the potential for exposure exists. Do not wear contact lenses. Emergency responders should wear full eye and face protection.

SKIN PROTECTION: Not required during normal household usage. Industrial users wear rubber gloves with protective cuff. Emergency responders should wear impermeable gloves.

OTHER PROTECTION: Emergency responders should wear chemical type (impermeable) protective clothing and footwear where direct contact with chemicals in this product is possible.

WORK/HYGIENIC PRACTICES: Wash hands thoroughly after use or handling. Routinely wash work clothing and protective equipment to remove contaminants. Use good industrial hygiene practices when handling this product. Do not smoke when using this product.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid Spray Aerosol	Flammability:	Not Flammable
Odor: No data	Upper/Lower Flammability:	N.A.
Odor Threshold: N.D.	Vapor Pressure (@ 20°C):	3,447 – 4,826 hPa
pH: @20°C N.D.	Vapor Density (mm Hg):	N.D.
Melting Point: N.D.	Relative Density @20°C:	N.D.
Freezing Point: N.D.	Solubility in water:	N.D.
Boiling Point: N.D.	Partition Coefficient:	
Boiling Point Range: N.A.	n-octanol/water	N.D.
Flash Point: -104.4°C/-156.0°F	Auto Ignition Temperature:	N.A.
Evaporation Rate: N.D.	Decomposition Temperature:	N.A.
	Viscosity:	N.D.

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY: No hazardous reactions if stored and handled as prescribed/indicated.

CHEMICAL STABILITY: Stable under normal storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No data available.

CONDITIONS TO AVOID: Avoid heat or contamination.

INCOMPATIBLE MATERIALS: Strong oxidizing agents. Nitrates. Fluorine. Chlorine.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition can lead to release of irritating gases, vapors and carbon oxides. In the event of fire: see Section 5.



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SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Exposure: Eyes, Skin, Inhalation, Ingestion.

Eyes: No adverse effects expected under typical use conditions.

Skin: Irritant: avoid prolonged skin contact. Effects may vary depending on length of exposure

Inhalation: No adverse effects expected under typical use conditions.

Ingestion: No adverse effects expected under typical use conditions.

Symptoms: Prolonged skin contact may cause skin irritation. Symptoms may include redness, discomfort and itching. Aspiration may cause pulmonary edema and pneumonitis.

Information on Toxicological Effects:

Numerical Measures of Toxicity:

Constituent	Oral LD50	Dermal LD50	Inhalation LC50
Butane	Not applicable	Not applicable	>800,000 ppm (rat, 10-15 min, gas)
C11-15 Alkane/ Cycloalkane	>5,000 mg/kg (rat) (similar substance)	> 2,000 mg/kg (rabbit) (similar substance)	>5.28 mg/L (rat, 4h, vapor) (similar substance)
Mineral Oil	>5,000 mg/kg (rat)	> 2,000 mg/kg (rabbit)	>5.0 mg/L (rat, 4h, aerosol)
Propane	Not applicable	Not applicable	>800,000 ppm (rat, 10-15 min, gas) (similar substance)
Product Acute Toxicity Estimate	>5,000 mg/kg	>5,000 mg/kg	Not assessed

Eye Irritation: Product is not classified based on available data.

Skin Irritation: GHS Category 2 – Skin Irritant.

Skin Sensitization: Product is not classified based on available data.

Respiratory Sensitization: Product is not classified based on available data.

Carcinogenicity: This product does not contain any substances at greater than 0.1% (w/w) that are considered carcinogenic by the National Toxicology Program (NTP) Report on Carcinogens and have not been found to be potential carcinogens in the International Agency for Research on Cancer (IARC) Monographs or found to be potential carcinogens by OSHA.

Mutagenicity: Product is not classified based on available data.

Reproductive Toxicity: Product is not classified based on available data.

Specific Target Organ Toxicity – Single Exposure: Product is not classified based on available data.

Specific Target Organ Toxicity – Repeated Exposure: Product is not classified based on available data.

Aspiration Hazard: May be fatal if swallowed and enter airways.



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SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:

Constituent	Organism and Species	Results
Butane	No data available	No data available
C11-15 Alkane/Cycloalkane	Fish (<i>Oncorhynchus mykiss</i>)	96h LL50: 2 - 5 mg/L
	Crustacea (<i>Daphnia magna</i>)	48h EL50: 1.4 mg/L
	Algae (<i>Raphidocelis subcapitata</i>)	72h EL50: 1 - 3 mg/L
	Microorganisms (<i>Tetrahymena pyriformis</i>)	72h LL50: 677.9 mg/L (estimate)
Mineral Oil	Fish (<i>Leuciscus idus melanotus</i>)	96h LL50: >10,000 mg/L
	Crustacea (<i>Daphnia magna</i>)	48h LL50: >100 mg/L
	Algae	72h EL50: >100 mg/L
	Microorganisms (Activated sludge)	Low inhibition to microorganisms
Propane	No data available	No data available

Persistence / Degradability:

Constituent	Results
Butane	Not applicable
C11-15 Alkane/Cycloalkane	Expected to be inherently biodegradable
Mineral Oil	Expected to be inherently biodegradable
Propane	Not applicable

Bioaccumulative Potential:

Constituent	Log Pow	Bioconcentration Factor (BCF)
Butane	2.2 – 2.7	No data
C11-15 Alkane/Cycloalkane	2 – 18	No data
Mineral Oil	4 – 18	No data
Propane	2.2 – 2.7	No data

Mobility in soil: No information available.
PBT and vPvB assessment: Not considered to be PBT or vPvB.
Other Adverse Effects: No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Do not reuse empty bottle. Contents under pressure. Do not puncture, incinerate or crush. For Industrial use, dispose of unused product following all local, state, and federal regulations. Follow label warnings, since containers may retain some residue of the product. Processing, use or contamination of this product may change the waste management options. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. State and local disposal regulations may differ from federal disposal regulations.



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SECTION 14 – TRANSPORTATION INFORMATION

DOT (Department of Transportation) (Land Transport):

Hazard Class/Label: 2.1
Packaging Group: N.A.
UN Number: UN 1950
Proper Shipping Name: Aerosols, flammable

IMDG (Marine Transport):

Hazard Class/Label: 2.1
Packaging Group: N.A.
UN Number: UN 1950
Proper Shipping Name: Aerosols, flammable
Marine Pollutant: No

IATA (Air Transport): Not regulated.

Hazard Class/Label: 2.1
Packaging Group: N.A.
UN Number: UN 1950
Proper Shipping Name: Aerosols, flammable

SECTION 15 – REGULATORY INFORMATION

FEDERAL REGULATIONS:

TSCA INVENTORY STATUS: All components of this product are listed on the TSCA Inventory or are exempt from TSCA Inventory requirements.

SARA Title III Section 311/312 Category:

IMMEDIATE (ACUTE) HEALTH HAZARD:	YES
DELAYED (CHRONIC) HEALTH HAZARD:	NO
FIRE HAZARD:	YES
SUDDEN RELEASE OF PRESSURE:	YES
REACTIVE HAZARD:	NO

SARA SECTIONS 302/304/313/HAP: NO

STATES RIGHT TO KNOW: California, New Jersey, Pennsylvania, Minnesota, Massachusetts, and Wisconsin. Complies with listed States Right to Know Acts.

The following statement is made in order to comply with the California State Drinking Water Act. California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer and/or to cause birth defects and other reproductive harm.



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SECTION 16 – OTHER INFORMATION

Date of Revision: 19-February-2024

Section 1: Minor changes in product name. Section 2: Update GHS classification. Minor editorial and formatting changes.

SDS ABBREVIATIONS:	ACGIH:	American Conference of Governmental Industrial Hygienists
	C:	Ceiling Limit
	EC50:	Effective Concentration to 50% of a test population
	EL50:	Effective Loading Rate to 50% of a test population
	HAP:	Hazardous Air Pollutant
	IATA:	International Air Transport Association
	IMDG:	International Maritime Dangerous Goods
	LC50:	Lethal Concentration to 50% of a test population
	LD50:	Lethal Dose to 50% of a test population
	LL50:	Lethal Loading to 50% of a test population
	N.A.:	Not Applicable
	N.D.:	Not Determined
	N.E.:	Not Established
	NIOSH:	National Institute for Occupational Safety & Health
	NOEC:	No Observed Effect Concentration
	OECD:	Organisation for Economic Cooperation and Development
	PBT:	Persistent, Bioaccumulative and Toxic
	PEL:	Permissible Exposure Limits
	STEL:	Short-Term Exposure Limit
	TSCA:	Toxic Substances Control Act
	TWA:	Time-Weighted Average
	UN:	United Nations
	vPvB:	Very Persistent and Very Bioaccumulative

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