



SAFETY DATA SHEET

1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name: CLR BRANDS® - BBQ Grill Grease & Grime Remover

Product Use: Aqueous Industrial Strength Degreaser Cleaner for Removal of Oil, Grease and Tar on Cement, Terrazzo, Stone Floors, Blacktop, Sidewalks, Motors, Garage Floors, Barbeque Grills, Pool Decks, and Motors
Retail Package: (22 fl. oz and 26 fl. oz.)

Restrictions on Use: Incompatible with strong oxidizing agents, acids, and bleach.

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

Skin Irritation, Category 2
Eye Irritation, Category 2A

LABEL ELEMENTS



Signal Word Warning

Hazard statements Causes serious eye irritation.
Causes skin irritation.

Precautionary statement(s)
DO NOT get in eyes, on skin or clothing.
Wear eye protection/face protection.
Wear protective gloves.
Wash skin thoroughly after handling.
Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Call a POISON CENTER or doctor/physician if you feel unwell.
Keep out of reach of children.



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Hazard(s) not otherwise classified (HNOC)

DO NOT mix with other household cleaners or chemicals including bleach, as toxic fumes may result.

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. C9-11Alcohols Ethoxylated	68439-46-3	YES	2.00-9.00
2. Sodium Xylene Sulfonate	1300-72-7	YES	1.00-4.75
3. Sodium Metasilicate Pentahydrate	6834-92-0	YES	1.00-3.00

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 thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

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

INHALATION: Not a significant route of exposure. Remove to fresh air. If breathing is difficult, GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION: If swallowed, DO NOT induce vomiting, drink a glass of water followed with milk. Call POISON CENTER or doctor immediately. NEVER give an unconscious person anything to ingest.

MOST IMPORTANT SYMPTOMS AND EFFECTS: May cause skin irritation and serious eye irritation. Effects may vary depending on length of exposure, solution concentration. Symptoms may include stinging, redness, tearing, and blurred vision of the eyes. Prolonged skin contact may cause redness, discomfort and itching.

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: Not flammable. Use appropriate media for area.

UNSUITABLE EXTINGUISHING MEDIA: None known.

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide. Thermal decomposition can lead to irritating gases and vapors.

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. Use water spray to cool fire-exposed containers. Run-off of large quantities of product from fire control may cause pollution. Contact appropriate agencies.

FIRE AND EXPLOSION HAZARDS: None known.



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SECTION 6 – ACCIDENTAL RELEASES MEASURES

PERSONAL PRECAUTIONS: Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid breathing vapors or mist. Use personal protective equipment, see Section 8. Isolate area and deny entry to unnecessary and unprotected personnel.

METHODS FOR CONTAINMENT AND CLEAN UP:

Small Spill: No special clean-up procedure is necessary for small (less than 1 gallon) spills. Flush spill area with water. Area may be slippery. Wear rubber gloves.

Large Spill: Dam spill, and absorb with earth, sand or similar material. Place in non-leaking containers. Flush residue with large amount of water. Area may be slippery. 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: Avoid contact with eyes, skin, or clothing. Use appropriate personal protective equipment (see Section 8). Use with adequate ventilation. Avoid breathing vapors or mist. Observe good industrial hygiene practices when handling this material. Do not eat, drink, or smoke in work area. Wash hands thoroughly after use. Avoid exposure to excess heat. **DO NOT MIX WITH OTHER HOUSEHOLD CLEANERS OR CHEMICALS INCLUDING BLEACH, AS TOXIC FUMES MAY RESULT.** Keep out of reach of children.

STORAGE: Store in cool, well-ventilated area, away from heat. Prevent from freezing. Keep containers tightly closed. Avoid contact with strong oxidizing agents, acids, bases, and bleach. Store in original container. Do not store in metal vessels. Store in a secure area away from children and pets.

Commented [DG1]: Rafael - should bases be removed as it is not listed in Section 1 or 10 as an incompatible material?

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

<u>Component</u>	<u>PEL</u>	<u>OSHA</u>		<u>ACGIH</u>	
		<u>STEL/C</u>	<u>TWA</u>	<u>STEL/C</u>	
1. C9-11 Alcohols Ethoxylated	N.E.	N.E.	N.E.	N.E.	
2. Sodium Xylene Sulfonate	N.E.	N.E.	N.E.	N.E.	
3. Sodium Metasilicate Pentahydrate	N.E.	N.E.	N.E.	N.E.	

ENGINEERING CONTROLS: Use with adequate ventilation. Do not use in closed or confined spaces. Avoid prolonged breathing of vapor or mists 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 or mist 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: None required during normal household use. Wear safety glasses/goggles if potential for splashing exists. Industrial users wear safety goggles. Do not wear contact lenses. Emergency responders should wear full eye and face protection.



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SKIN PROTECTION: 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.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Crystal clear, water white liquid	Flammability: Not Flammable
Odor: Clean floral	Upper/Lower Flammability: N.A.
Odor Threshold: N.D.	Vapor Pressure: N.D.
pH: @20°C: 12.40-13.00	Vapor Density (mm Hg): N.D.
Melting Point: N.D.	Relative Density @20°C: 1.030 – 1.040
Freezing Point: N.D.	Solubility in water: 100%
Boiling Point: 93.3°C / 200°F	Partition Coefficient; N.D.
Boiling Point Range: N.A.	n-octanol/water
Flash Point: None	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: None known.

CONDITIONS TO AVOID: Avoid elevated temperatures. **DO NOT MIX WITH OTHER HOUSEHOLD CLEANERS OR CHEMICALS INCLUDING BLEACH, AS TOXIC FUMES MAY RESULT.**

INCOMPATIBLE MATERIALS: Strong oxidizing agents, acids, and bleach.

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

SECTION 11 – TOXICOLOGICAL INFORMATION

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

Eyes: Irritant: Avoid eye contact. Effects may vary depending on length of exposure and/or solution concentration.

Skin: Irritant: Avoid prolonged skin contact. Effects may vary depending on length of exposure and/or solution concentration.

Inhalation: No adverse effects expected under typical use conditions.

Ingestion: No adverse effects expected under typical use conditions. Accidental ingestion may result in vomiting and gastrointestinal disturbance.

Symptoms: May cause serious eye irritation. Effects may vary depending on length of exposure and/or solution concentration. Symptoms may include stinging, redness, tearing, and blurred vision of the eyes. May cause skin irritation. Symptoms may include redness, discomfort and itching.



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Information on Toxicological Effects:

Numerical Measures of Toxicity:

Constituent	Oral LD50	Dermal LD50	Inhalation LC50
C9-11 Alcohols Ethoxylated	3,488 mg/kg (rat)	> 2,000 mg/kg (rat, rabbit)	>1.6 mg/L (Max. attain. conc.) (rat, 4h)
Sodium Xylene Sulfonate	≥ 3,346 mg/kg (rat)	> 2,000 mg/kg (rabbit)	> 6.41 mg/L (rat, 3.8h)
Sodium Metasilicate Pentahydrate	1,152 – 1,349 mg/kg (rat)	> 5,000 mg/kg (rat)	>2.06 mg/L (rat, 4h)
Product Acute Toxicity Estimate	>5,000 mg/kg	>5,000 mg/kg	Not assessed

Eye Irritation: GHS Category 2A – Irritant.

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: Product is not classified based on available data.

SECTION 12- ECOLOGICAL INFORMATION

Ecotoxicity:

Constituent	Organism and Species	Results
C9-11 Alcohols Ethoxylated	Fish (<i>Oncorhynchus mykiss</i>)	96h LC50: 5 - 7 mg/L
	Crustacea (<i>Daphnia magna</i>)	48h EC50: 2.5 mg/L
	Algae (<i>Selenastrum capricornutum</i>)	96h EC50: 2.9 mg/L (biomass)
	Microorganisms (Activated Sludge)	3h EC50: 140 mg/L
Sodium Xylene Sulfonate	Fish (<i>Oncorhynchus mykiss</i>)	96h LC50: > 1,000 mg/L
	Crustacea (<i>Daphnia magna</i>)	48h EC50: > 1,000 mg/L
	Algae (<i>Raphidocelis subcapitata</i>)	96h EC50: ≥ 230 mg/L (cell number)
	Microorganisms (Activated Sludge)	3h EC10: ≥ 1,000 mg/L
Sodium Metasilicate Pentahydrate	Fish (<i>Brachydanio rerio</i>)	96h LC50: 210 mg/L
	Crustacea (<i>Daphnia magna</i>)	48h EC50: 1,700 mg/L (similar substance)
	Algae (<i>Scenedesmus subspicatus</i>)	72h EC50: > 345.4 mg/L (growth rate)
	Microorganisms (Activated Sludge)	3h EC50: > 1,000 mg/L



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Persistence / Degradability:

Constituent	Results
C9-11 Alcohols Ethoxylated	Readily biodegradable: 80% (Closed Bottle Test)
Sodium Xylene Sulfonate	Readily biodegradable: 98% (OECD 301B)
Sodium Metasilicate Pentahydrate	N.A.; inorganic

Bioaccumulative Potential:

Constituent	Log Pow	Bioconcentration Factor (BCF)
C9-11 Alcohols Ethoxylated	1.97 – 4.65	12.7 (C12 EO8) (<i>Pimephales promelas</i>)
Sodium Xylene Sulfonate	0.07 @ 20°C	3.162 L/kg weight/weight
Sodium Metasilicate Pentahydrate	N.A.	Not expected to bioaccumulate

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: Rinse empty bottles and recycle. Dispose of unused product in a permitted hazardous waste management facility 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.

SECTION 14 – TRANSPORTATION INFORMATION

DOT (Department of Transportation) (Land Transport): Not regulated.

Hazard Class/Label: N.A.
Packaging Group: N.A.
UN Number: N.A.
Proper Shipping Name: N.A.

IMDG (Marine Transport): Not regulated.

Hazard Class/Label: N.A.
Packaging Group: N.A.
UN Number: N.A.
Proper Shipping Name: N.A.
Marine Pollutant: No

IATA (Air Transport): Not regulated.

Hazard Class/Label: N.A.



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Packaging Group: N.A.
UN Number: N.A.
Proper Shipping Name: N.A.

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:	NO
SUDDEN RELEASE OF PRESSURE:	NO
REACTIVE HAZARD:	NO

SARA SECTIONS 302/304/313/HAP: NO

INTERNATIONAL CHEMICAL INVENTORY STATUS:

EUROPEAN UNION (EINECS)	YES
JAPAN (METI)	YES
AUSTRALIA (ACIS)	YES
KOREA (KECL)	YES
CANADA (DSL)	YES
CANADA (NDSL)	NO
PHILIPPINES	YES

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.

SECTION 16 – OTHER INFORMATION

Date of Revision: 14-February-2024

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

Total VOC (wt. %): 0.128% - does not include any CARB applicable exemptions (Volatile Organic Compounds/California Air Resources Board)

CLR BRANDS™ BBQ Grill Grease & Grime Remover Chemical Fate Information: 28-day biodegradation. The matter is readily biodegradable. OECD 301B

SDS ABBREVIATIONS:

ACGIH:	American Conference of Governmental Industrial Hygienists
C:	Ceiling Limit
EC50:	Effective Concentration to 50% of a test population



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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
N. A.:	Not Applicable
N. D.:	Not Determined
N.E.:	Not Established
NIOSH:	National Institute for Occupational Safety & Health
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
VOC:	Volatile Organic Compound

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