



SAFETY DATA SHEET

Issue Date 09-24-2019

Revision Date 09-24-2019

Version 5

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name: BATTERY CLEANER & LEAK DETECTOR

Other means of identification

Common Name: 0150
UN/ID No Not regulated
Synonyms None
Product Categories Cleaner, Alkaline

Recommended use of the chemical and restrictions on use

Sale and Use Restrictions Not applicable
Recommended Use Restricted to professional users.
Uses advised against Consumer use

Details of the supplier of the safety data sheet

Supplier Address
MOC PRODUCTS CO., INC.
12306 Montague Street
Pacoima, CA 91331

Emergency telephone number

Company Phone Number MOC PRODUCTS CO., INC. (818) 794-3500
Emergency Telephone CHEMTREC 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label elements

Emergency Overview

Appearance Aqueous solution, Alkaline **Physical state** Liquid **Odor** Detergent

Precautionary Statements - Response

Hazards not otherwise classified (HNOC)

Other information

3.04 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %	Trade Secret
Sodium Sesquicarbonate	533-96-0	1-5	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

Skin contact	Wash with plenty of soap and water. If skin irritation persists, call a physician.
Inhalation	Remove to fresh air. Call a physician if irritation develops and persists.
Eye contact	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/attention.
Ingestion	If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center.

Most important symptoms and effects, both acute and delayed

Symptoms Stomach and intestinal upset (diarrhea, nausea, vomiting); Skin irritation, Eye irritation.

Indication of any immediate medical attention and special treatment needed

Self-protection of the first aider Low hazard for usual industrial or commercial handling.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Use extinguishing measures that are appropriate to the local circumstances and the surrounding environment.

Small Fire	No data.
Large Fire	No data.
Explosive properties:	Not an explosive.

Specific hazards arising from the chemical

None in particular.

Hazardous combustion products Carbon monoxide, Carbon dioxide (CO₂). Fumes: Sodium oxides.

Specific methods:

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Special firefighting procedures:

The product is not flammable.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Do not touch or walk through spilled material. Use personal protective equipment. See Section 8 for information on appropriate personal protective equipment.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions: Not applicable. No special environmental precautions required. Avoid subsoil penetration.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for clean-up: Clean-up methods - small spillage. Wipe up with absorbent material (eg. cloth, fleece).
Clean-up methods - large spillage. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling: Do not get in eyes, on skin, or on clothing. Keep out of the reach of children. Protect from physical damage. Protect from freezing (<0°C, or 32°F). Keep away from food, drink and animal feeding stuffs. Keep containers tightly closed in a cool, well-ventilated place.

Conditions for safe storage, including any incompatibilities

Technical measures/precautions: Eye wash and safety shower should be easily accessible.

Materials to avoid: Acids, Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA Exposure Limits:	NIOSH IDLH
Sodium Sesquicarbonate 533-96-0	10 mg/m ³	15 mg/m ³	-

Appropriate engineering controls

Engineering measures: Eye wash and safety shower should be easily accessible.

Individual protection measures, such as personal protective equipment

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

Skin and body protection Wear normal work clothing, Chemical resistant gloves: (consult with the specific manufacturer to confirm performance).

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wear suitable gloves and eye/face protection. Wash face, hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Detergent
Appearance	Aqueous solution, Alkaline	Odor threshold	No information available
Color	Dark Red, Purple		
Property	Values	Remarks • Method	
pH	9.8-10.1		
Melting point/freezing point	<= 0 °C / 32 °F	(based on components)	
Boiling point / boiling range	>= 100 °C / 212 °F	(based on components)	
Flash point	Not applicable . / .		
Evaporation rate	Slower than ether		
Flammability (solid, gas)	No information available		
Flammability Limits in Air			
Upper flammability limit	No Data Available		
Lower flammability limit	No Data Available		
Vapor pressure	No Data Available		
Vapor density	No Data Available		
Specific Gravity	1.02	@ 20° C	
Water solubility	Soluble in water		
Solubility in other solvents	No Data Available		
Partition coefficient	No Data Available		
Autoignition temperature	No Data Available		
Decomposition temperature	No Data Available		
Kinematic viscosity	No information available		
Dynamic viscosity	No Data Available		
Explosive properties	No Data Available		
Oxidizing properties	No Data Available		

Other information

Softening point	No Data Available
Molecular weight	No Data Available
VOC Content (%)	
VOC Content (%)	0.90
Density	1.02 g/cc
Bulk density	No Data Available

10. STABILITY AND REACTIVITY

Reactivity

Reactivity Stable.

Chemical stability

Possibility of Hazardous Reactions None under normal processing
 Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid

Protect from freezing (<0°C, or 32°F).

Incompatible materials

Materials to avoid: Acids, Strong oxidizing agents.

Hazardous Decomposition Products

Hazardous Decomposition Products Carbon monoxide, Carbon dioxide (CO2), Fumes of sodium oxide.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	May cause eye irritation. May cause skin irritation. May be harmful if swallowed.
Inhalation	Not an expected route of exposure: May cause irritation.
Eye contact	May cause irritation.
Skin Contact	May cause irritation.
Ingestion	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Sesquicarbonate 533-96-0	>2800 mg/kg (Rat)	-	> 5.03 mg/L 4h (Rat)

Information on toxicological effects

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	Skin Sensitization: Not expected. Respiratory Sensitization: Not classified.
Mutagenic effects:	No data available to indicate product or any components present at or greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC, NTP, or OSHA. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.
Reproductive toxicity	No information available.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	No information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 3.04 % of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

3.6 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulation

Bioaccumulative potential.

Mobility

Soluble in water.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes	Dispose of in accordance with federal, state and local regulations.
Contaminated packaging	Do not reuse container. Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	Not regulated

15. REGULATORY INFORMATION

International Inventories

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

Federal Regulations

SARA 313

No SARA 313 chemicals are present above the reporting threshold

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

State Regulations (RTK)

California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm:

Chemical Name	CAS Number	California Proposition 65
Methyl Alcohol	67-56-1	Developmental
Phenolphthalein	77-09-8	Carcinogen
Acetaldehyde	75-07-0	Carcinogen
Ethylene oxide	75-21-8	Carcinogen Developmental Female Reproductive Male Reproductive
1,4-Dioxane	123-91-1	Carcinogen
Formaldehyde	50-00-0	Carcinogen
Methylisobutyl ketone	108-10-1	Carcinogen Developmental

U.S. State Right-to-Know Regulations

Chemical Name	New York - Household Cleansing Product Info	California - Cleaning Products RTKA - Nonfunctional Constituents
Ethylene oxide 75-21-8	Present	Present
1,4-Dioxane 123-91-1	Present	Present

Formaldehyde 50-00-0	Present	Present
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U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA Rating

Health hazards 1

Flammability 0

Instability 0

Physical and Chemical Properties -

HMIS Rating

Health hazards 1

Flammability 0

Physical hazards 0

Personal protection B

Prepared by Environmental Health and Safety Department

Issue Date 09-24-2019

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Revision Note

This data sheet contains changes from the previous version in section(s): 15.

Disclaimer

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.

End of Safety Data Sheet