



Chemical Name: Battery Cleaner

Manufacturer: Napa

Container size: 13oz.

Location: VLA

Disposal: Place empty container in trash.

Product Name: NAPA BATTERY CLEANER msds

Manufacturer: LOCKTITE CORP.

Part Number(s): 765-1072

Battery Terminal Cleaner

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MATERIAL SAFETY DATA SHEET

Effective Date: none

Revision Date: none

Battery Terminal Cleaner

Code: SD

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Section 1 - Product and Company Identification

PRODUCT NAME: Battery Terminal Cleaner

MANUFACTURER'S NAME:

Specialty Division

26300 Fargo Avenue

Bedford Heights, OH 44146

EMERGENCY TELEPHONE NUMBER

(216) 566-2917

MISCELLANEOUS INFORMATION

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Section 2 - Hazardous Ingredients

INGREDIENT CAS NO.	% BY WT.	ACGIH TLV	OSHA PEL	UNITS	V.P.
Propane 74-98-6	3		1000	PPM	760.00
Butane 106-97-8	7	800	800	PPM	760.00
2-Propanol 67-63-0	6 STEL	400 500	400 500	PPM PPM	33.00

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Section 3 - Hazards Identification

ROUTES OF EXPOSURE: Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS: No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver and urinary systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

EFFECTS OF OVEREXPOSURE: Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None generally recognized.

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Section 4 - First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES:

IF INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

IF ON SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

IF IN EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

IF SWALLOWED: Get medical attention.

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Section 5 - Firefighting Measures

FLASH POINT (Method Used): Propellant < 0 F

FLAMMABLE LIMITS:

LEL: 1.9

UEL: 12.7

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Alcohol Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

SPECIAL FIRE FIGHTING PROCEDURES: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

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Section 6 - Environmental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. Ventilate and remove with inert absorbent.

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Section 7 - Handling and Storage

DOL STORAGE CATEGORY: 1A

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS: Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

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Section 8 - Exposure Controls/Personal Protection

PRECAUTIONS TO BE TAKEN IN USE: Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

VENTILATION: Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

PROTECTIVE GLOVES: None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

EYE PROTECTION: Wear safety spectacles with unperforated sideshields.

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Section 9 - Physical and Chemical Properties

PRODUCT WEIGHT..... 7.68 lb./gal.
SPECIFIC GRAVITY..... 0.92
BOILING POINT..... <0 -213 F
VOLATILE VOLUME..... 98 %

VOLATILE WEIGHT..... 15.90 % (less Federally Exempt Solvents)
HMIS..... 2 4 0
EVAPORATION RATE..... Faster than Ether
VAPOR DENSITY..... Heavier than Air
MELTING POINT..... N.A.
SOLUBILITY IN WATER..... N.A.

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Section 10 - Stability and Reactivity

STABILITY: Stable
CONDITIONS TO AVOID: None known

INCOMPATABILITY (Materials to Avoid): None known

HAZARDOUS DECOMPOSITION PRODUCTS: By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION: Will not occur

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Section 11 - Toxicological Information

Not available.

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Section 12 - Ecological Information

Not available.

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Section 13 - Disposal Considerations

WASTE DISPOSAL METHOD: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

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Section 14 - Transport Information

Not available.

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Section 15 - Regulatory Information

SARA 313 (40 CFR 372.65c) SUPPLIER NOTIFICATION

CAS NO.	CHEMICAL/COMPOUND	% BY WT	% ELEMENT
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No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

CALIFORNIA PROPOSITION 65: This product contains chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

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Section 16 - Other Information

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

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