



Health	2
Fire	4
Physical	0
Pers. Protection	A

Material Safety Data Sheet

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CHEMTREC 24-HOUR EMERGENCY RESPONSE

TOLL-FREE NUMBER: (800) 424-9300

CHEMTREC should be contacted only in the event of chemical accidents involving, fire, spill, exposure, or other emergency situations involving the chemical product described herein.

Section 1: Chemical Product Identification

PRODUCT NAME: **BATTERY TERMINAL SEALER**

HMIS CODES

Health: 2 Flammability: 4 Physical: 0

PRODUCT NUMBER: NA60

Section 2: Composition and Information on Hazardous Ingredients

HAZARDOUS INGREDIENTS:

<u>CAS NUMBER</u>	<u>CHEMICAL NAME</u>	<u>WEIGHT %</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS</u>
78-93-3	Methyl ethyl ketone	35 - 45	200 ppm	200 ppm	300 ppm (NIOSH)
108-10-1	Methyl isobutyl ketone	25 - 35	ND	125 ppm	ND
108-94-1	Cyclohexanone	2 - 6	50 ppm	20 ppm (skin)	1 mg/m ³ (NIOSH)

Section 3: Hazards Identification

SUMMARY OF ACUTE HAZARDS

<u>ROUTE OF EXPOSURE</u>	<u>SIGN AND SYMPTOM</u>
INHALATION:	MAY CAUSE LIGHT HEADACHES OR DIZZINESS; MAY CAUSE IRRITATION OF RESPIRATORY TRACT
EYE CONTACT:	MAY CAUSE IRRITATION AND MAY PRODUCE TISSUE DAMAGE
SKIN CONTACT:	MAY CAUSE IRRITATION AND MILD BURNS
INGESTION:	MAY CAUSE STOMACH DISTRESS, NAUSEA, AND VOMITING; MAY CAUSE TISSUE DAMAGE TO MOUTH

SUMMARY OF CHRONIC HAZARDS:

Exposure to this product can result in skin irritation and contact dermatitis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing disorders of the skin, eyes, and respiratory tract may be exacerbated by exposure to this product.

Section 4: First Aid Measures

- **INHALATION:** Move to fresh air or provide fresh air by ventilation. If symptoms persist, seek medical attention.
- **EYE:** Remove any contact lenses and flush with running water for 15 minutes. Obtain medical attention if irritation persists.
- **SKIN:** Flush with water. Wash with soap and water. If irritation persists, seek medical attention. Wash contaminated clothing before reuse.
- **INGESTION:** Do not induce vomiting. Rinse mouth out. Obtain medical attention immediately. If unconscious, never give anything by mouth.

Section 5: Fire and Explosion Data

FLASH POINT °F: 23

EXTINGUISHING MEDIUM: Water, foam, carbon dioxide, dry chemical.

EXPLOSION: Above flash point, vapor-air mixtures may be explosive within flammable limits noted above. Closed containers may rupture when heated. Sensitive to static discharge.

EXTINGUISHING MEDIUM: Water, foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Hazardous combustion products may include and are not limited to oxides of carbon.

FLAMMABILITY LIMITS: LEL: 2.0% UEL: 7-10%

AUTO-IGNITION TEMPERATURE: ND

Section 6: Accidental Release Measures

PERSONAL PROTECTIVE EQUIPMENT: For large spills, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

MATERIAL RELEASED OR SPILLS: Small spills may be absorbed with non-reactive absorbent material and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers, waterways, and soil. Keep materials away from heat and sources of ignition.

Section 7: Handling and Storage

STORAGE: Store in accordance with NFPA 30B for extremely flammable liquids. Keep out of reach of children. Store closed container upright away from incompatible materials and food. Do not store near heat, flame, sparks or other forms of ignition. In closed spaces, provide exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limit value.

OTHER PRECAUTIONS: Containers of this material may be hazardous when emptied. Do not re-use empty containers.

Section 8: Exposure Controls and Personal Protection

RESPIRATORY PROTECTION: None required in normal usage.

ENGINEERING CONTROLS: General ventilation normally adequate.

SPECIAL: NA

PROTECTIVE GLOVES: Not needed in normal use

EYE PROTECTION: Not required under normal conditions, but always advisable when using chemical products.

WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed area thoroughly before eating, drinking, smoking, or in food preparation. Launder contaminated clothing before re-use.

OTHER PERSONAL PROTECTION: As required by employer policies.

Section 9: Physical and Chemical Properties

APPEARANCE: Viscous liquid, various colors

PHYSICAL STATE: Liquid

VAPOR PRESSURE (mmHg): ND

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY: 0.88-0.92

PARTITION COEFFICIENT OF WATER/OIL DISTRIBUTION: ND

ODOR: Ketones

BOILING POINT (°F): ND

VAPOR DENSITY (AIR=1): Heavier than air

MELTING POINT: NA

EVAPORATION RATE (ETHYL ACETATE =1): ND

pH: NA

Section 10: Stability and Reactivity

STABILITY: Stable

CONDITIONS TO AVOID: Heat, ignition sources (spark, flame), incompatible materials

HAZARDOUS DECOMPOSITION PRODUCTS: May include, but is not limited to oxides of carbon and silicon.

INCOMPATIBILITY: Oxidizers

HAZARDOUS POLYMERIZATION: Will not occur

Section 11: Toxicological Information

NTP: No

IARC MONOGRAPHS: No

OSHA REGULATED: No

SKINTEX DATA: ND

REPRODUCTIVE TOXICITY: ND

TERATOGENICITY: ND

MUTAGENICITY: ND

There is no LD₅₀ or LC₅₀ information available for humans.

Section 12: Ecological Information

WATER FOWL TOXICITY

No data available for ingredients in this product.

BOD

No data available for ingredients in this product.

AQUATIC TOXICITY

No data available for ingredients in this product.

Section 13: Disposal Considerations

DISPOSAL METHOD: Dispose of in accordance with all local, state, and federal regulations.

CONTAINER DISPOSAL: Dispose of in accordance with all local, state, and federal regulations.

Section 14: Transport Information

DOT Proper shipping name: Flammable liquid n.o.s. (contains methyl ethyl ketone, methyl isobutyl ketone, and cyclohexanone), UN1993, PG II, Ltd.Qty.,ERG#128

Domestic Ground Transportation (Quart sizes and less): Consumer Commodity, ORM-D

OCEAN (IMDG): Flammable liquid n.o.s. (contains methyl ethyl ketone, methyl isobutyl ketone, and cyclohexanone), UN1993, PG II, Ltd Qty., ERG#128

AIR (IATA): Flammable liquid n.o.s. (contains methyl ethyl ketone, methyl isobutyl ketone, and cyclohexanone), UN1993, PG II, ERG#128

WHMIS (CANADA): Class B-2

UN Number: 1993

NAFTA HS Code: 3904.21.0000

Section 15: Regulatory Information

TSCA: All ingredients are listed on the TSCA inventory.

SARA 313: None listed.

CERCLA RQ: NA.

RCRA CODE: NA.

Section 16: Other Information

THIS DOCUMENT IS PREPARED PURSUANT TO THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910. 1200).

LEGEND: ND = Not determined.

NA = Not applicable.

The information provided herein is believed to be accurate and represents the best information currently available. However, Blue Magic, Inc. makes no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and assumes no liability resulting from use of MSDS information.

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