



**BATTERY TERMINAL CLEANER and  
PROTECTOR**

SDS Preparation Date (mm/dd/yyyy): 04/17/2020

Page 1 of 12

**SAFETY DATA SHEET**

**SECTION 1. IDENTIFICATION**

**Product identifier used on the label**

: **BATTERY TERMINAL CLEANER and PROTECTOR**

**Other means of identification** : BTCAP6C - 6oz

**Recommended use of the chemical and restrictions on use**

: Battery terminal cleaner.  
Restrictions on use: Not available.

**Chemical family**

: Mixture of: Glycol ether solvent; Propellant

**Name, address, and telephone number  
of the supplier:**

**BBI Blumethal Brands Integrated**

600 Radiator Rd.  
Indian Trail, NC, USA  
28079

Supplier's Telephone #

: **Customer Service/Technical:** (704) 821-7643 (8:00 am - 5:00 pm, Monday to Friday)

**24 Hr. Emergency Tel #**

: INFOTRAC (United States) (800) 535-5053, (International) (352) 323-3500

**Name, address, and telephone number of  
the manufacturer:**

Refer to supplier

**SECTION 2. HAZARDS IDENTIFICATION**

**Classification of the chemical**

Orange liquid. Aerosol spray.

Most important hazards:

Flammable Aerosol. Contents under pressure. Container may explode if heated.

Occupational exposure to the substance or mixture may cause adverse effects. For further information, please refer to section 11 of the SDS.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Avoid release to the environment. See Section 12 for more environmental information.

This product is packaged and sold as a consumer product. For informational purposes, this product would have the following OSHA Hazcom 2012 and WHMIS 2015 classification.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Hazard classification:

Flammable Aerosol - Category 2

Gases under pressure - Liquefied gas

**Label elements**

*Hazard pictogram(s)*



*Signal Word*

**DANGER!**

*Hazard statement(s)*

Flammable aerosol  
Contains gas under pressure; may explode if heated.



**BATTERY TERMINAL CLEANER and  
PROTECTOR**

SDS Preparation Date (mm/dd/yyyy): 04/17/2020

Page 2 of 12

**SAFETY DATA SHEET**

*Precautionary statement(s)*

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.  
Pressurized container: Do not pierce or burn, even after use.  
Store in a well-ventilated place.  
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Other hazards**

Other hazards which do not result in classification:

Toxic fumes may be released during a fire. May be slightly irritating to eyes, skin and other contaminated tissue. Mild respiratory irritant. In extremely high concentrations, may cause symptoms of central nervous system depression. May cause gastrointestinal irritation. Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
<b>Butane</b>	n-Butane Butyl hydride Methylethylethane	106-97-8	<b>5.0 - 10.0</b>
<b>Propane</b>	Dimethylmethane Propyl hydride	74-98-6	<b>1.0 - 5.0</b>
<b>2-butoxyethanol</b>	Ethylene glycol monobutyl ether butyl cellosolve Glycol Ether EB EGBE	111-76-2	<b>1.0 - 5.0</b>
<b>Aqua ammonia</b>	Ammonium hydroxide	1336-21-6	<b>&lt;0.01</b>
<b>Diethanolamine</b>	DEA	111-42-2	<b>&lt;0.01</b>
<b>Formaldehyde solution</b>	Methanal Methyl Aldehyde Methylene oxide	50-00-0	<b>&lt;0.01</b>

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

**SECTION 4. FIRST-AID MEASURES**

**Description of first aid measures**

- Ingestion* : If ingested, do not induce vomiting. Never give anything by mouth to an unconscious person. If irritation or symptoms develop, seek medical attention.
- Inhalation* : If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing stops, provide artificial respiration. If irritation or symptoms develop, seek medical attention.
- Skin contact* : In case of contact with skin, wash with mild soap and plenty of water. If irritation or symptoms develop, seek medical attention. Launder clothing before reuse.
- Eye contact* : Rinse thoroughly with plenty of water, also under the eyelids. If irritation or symptoms develop, seek medical attention.

**Most important symptoms and effects, both acute and delayed**

- : May be slightly irritating to eyes, skin and other contaminated tissue. Direct skin contact may cause temporary redness. Direct eye contact may cause slight redness. Mild respiratory irritant. May cause coughing and breathing difficulties. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights.



**BATTERY TERMINAL CLEANER and  
PROTECTOR**

SDS Preparation Date (mm/dd/yyyy): 04/17/2020

Page 3 of 12

**SAFETY DATA SHEET**

**Indication of any immediate medical attention and special treatment needed**

- : Provide general supportive measures and treat symptomatically. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

**SECTION 5. FIRE-FIGHTING MEASURES**

**Extinguishing media**

*Suitable extinguishing media*

- : Carbon dioxide (CO<sub>2</sub>); Dry chemical; Alcohol resistant foam; Water fog

*Unsuitable extinguishing media*

- : Do not use a solid water stream as it may scatter and spread fire.

**Special hazards arising from the substance or mixture / Conditions of flammability**

- : Extremely flammable aerosol Aerosols are sensitive to mechanical impact. This product is contained under pressure, and could explode when exposed to heat and flame. Toxic fumes, gases or vapours may evolve on burning.

**Flammability classification (OSHA 29 CFR 1910.106)**

- : Flammable Aerosols - Category 2

**Hazardous combustion products**

- : Carbon oxides; Other unidentified organic compounds.

**Special protective equipment and precautions for firefighters**

*Protective equipment for fire-fighters*

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

*Special fire-fighting procedures*

- : Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Shield personnel to protect from venting or rupturing containers. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

- : Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Wear appropriate protective equipment. Refer to protective measures listed in sections 7 and 8.

**Environmental precautions** : Prevent product from entering drains, sewers, waterways and soil.

**Methods and material for containment and cleaning up**

- : Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. For spilled liquids: absorb spill with inert, non-combustible material such as sand, then place into suitable containers. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities. . Refer to Section 13 for disposal of contaminated material.

**Special spill response procedures**

- : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802). US CERCLA Reportable quantity (RQ): See section 15.



**BATTERY TERMINAL CLEANER and  
 PROTECTOR**

SDS Preparation Date (mm/dd/yyyy): 04/17/2020

**SAFETY DATA SHEET**

**SECTION 7. HANDLING AND STORAGE**

**Precautions for safe handling**

- : Use with adequate ventilation. Wear suitable protective equipment during handling. Avoid breathing fumes, mists or vapors. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Do not pierce or burn, even after use. Keep away from incompatibles. Always replace cap after use. Wash thoroughly after handling.

- Conditions for safe storage** : Store in cool/well-ventilated place. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F. Keep away from incompatibles.

- Incompatible materials** : Strong oxidizing agents; Strong acids; Strong bases

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
	Butane	1000 ppm (Butane, all isomers)	N/Av	800 ppm (final rule limit)
Propane	N/Av	N/Av	1000 ppm (1800 mg/m <sup>3</sup> )	N/Av
2-butoxyethanol	20 ppm	N/Av	50 ppm (240 mg/m <sup>3</sup> ) (skin)	N/Av
Aqua ammonia	25 ppm (Ammonia)	35 ppm (Ammonia)	50 ppm (Ammonia)	N/Av
Diethanolamine	1 mg/m <sup>3</sup> (inhalable fraction and vapor) (skin)	N/Av	3 ppm (final rule limit)	N/Av
Formaldehyde solution	0.1 ppm	0.3 ppm	0.75 ppm	2 ppm

**Exposure controls**

**Ventilation and engineering measures**

- : Provide adequate ventilation. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

- Respiratory protection** : If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Refer to CSA Z94.3 or other appropriate standards. Advice should be sought from respiratory protection specialists.

- Skin protection** : Gloves impervious to the material are recommended. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Wear sufficient clothing to prevent skin contact.

- Eye / face protection** : Wear as appropriate: Tightly fitting safety goggles; Safety glasses with side shields.

- Other protective equipment** : Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

**General hygiene considerations**

- : Avoid breathing fumes, mists or vapors. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.



**BATTERY TERMINAL CLEANER and  
PROTECTOR**

SDS Preparation Date (mm/dd/yyyy): 04/17/2020

Page 5 of 12

**SAFETY DATA SHEET**

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** : Orange liquid. Aerosol spray.  
**Odour** : glycol  
**Odour threshold** : 0.1 ppm  
**pH** : 9.1-10.1  
**Melting Point/Freezing point** : N/Av  
**Initial boiling point and boiling range**  
: N/Av  
**Flash point** : -104.44°C  
**Flashpoint (Method)** : N/Av  
**Evaporation rate (BuAe = 1)** : N/Av  
**Flammability (solid, gas)** : Flammable aerosol  
**Lower flammable limit (% by vol.)**  
: N/Av  
**Upper flammable limit (% by vol.)**  
: N/Av  
**Oxidizing properties** : No oxidizing properties.  
**Explosive properties** : Aerosols are sensitive to mechanical impact. Closed containers are contained under pressure and may explode if exposed to excess heat for a prolonged period of time.  
**Vapour pressure** : 3795-5171 hPa (20°C)  
**Vapour density** : N/Av  
**Relative density / Specific gravity**  
: 0.996  
**Solubility in water** : N/Av  
**Other solubility(ies)** : N/Av  
**Partition coefficient: n-octanol/water or Coefficient of water/oil distribution**  
: N/Av  
**Auto-ignition temperature** : N/Av  
**Decomposition temperature** : N/Av  
**Viscosity** : 1 cst  
**Volatiles (% by weight)** : 10  
**Volatile organic Compounds (VOC's)**  
: N/Av  
**Absolute pressure of container**  
: 310-448 kPa @20°C  
**Flame projection length** : None.  
**Other physical/chemical comments**  
: Chemical heat of combustion: 5.4 kJ/g

**SECTION 10. STABILITY AND REACTIVITY**

**Reactivity** : Not normally reactive.  
**Chemical stability** : Stable under normal conditions.  
**Possibility of hazardous reactions**  
: Hazardous polymerization does not occur.  
**Conditions to avoid** : Direct sources of heat. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.  
**Incompatible materials** : Strong oxidizing agents; Strong acids; Strong bases



**BATTERY TERMINAL CLEANER and  
PROTECTOR**

SDS Preparation Date (mm/dd/yyyy): 04/17/2020

Page 6 of 12

**SAFETY DATA SHEET**

**Hazardous decomposition products**

- : Not available.  
Refer also to hazardous combustion products, Section 5.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure:**

**Routes of entry inhalation** : YES

**Routes of entry skin & eye** : YES

**Routes of entry Ingestion** : YES

**Routes of exposure skin absorption**  
: NO

**Potential Health Effects:**

**Signs and symptoms of short-term (acute) exposure**

*Sign and symptoms Inhalation*

- : Mild respiratory irritant. May cause coughing and breathing difficulties. If higher concentrations are inhaled, additional symptoms may include headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. In extremely high concentrations, product may act as an asphyxiant and cause increased breathing and pulse rates, fatigue and unconsciousness.

*Sign and symptoms ingestion*

- : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

*Sign and symptoms skin*

- : May cause mild skin irritation. Direct skin contact may cause temporary redness. May be absorbed through the skin. If product is sprayed directly on skin, symptoms of frostbite may be experienced including numbness, pricking and itching.

*Sign and symptoms eyes*

- : Direct eye contact may cause slight or mild, transient irritation. Direct eye contact may cause slight redness.

**Potential Chronic Health Effects**

- : Prolonged or repeated skin contact may cause drying and irritation. Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights.

**Mutagenicity**

- : No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**

- : Not classifiable as a human carcinogen. No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

**Repr**

**Reproductive effects & Teratogenicity**

- : This product is not expected to cause reproductive or developmental effects.

**Sensitization to material**

- : No data available to indicate product or components may be skin sensitizers. No data available to indicate product or components may be respiratory sensitizers.

**Specific target organ effects** : According to the classification criteria of Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015), this product is not expected to cause specific target organ toxicity (STOT) through single or repeated exposures.

**Medical conditions aggravated by overexposure**

- : Pre-existing skin, eye, respiratory and central nervous system disorders.



**BATTERY TERMINAL CLEANER and  
PROTECTOR**

SDS Preparation Date (mm/dd/yyyy): 04/17/2020

**SAFETY DATA SHEET**

- Synergistic materials** : None known or reported by the manufacturer.
- Toxicological data** : Not classified for acute toxicity based on available data. No data is available on the product itself. The calculated ATE values for this mixture are:  
ATE oral = > 19266.30 mg/kg ATE dermal = 20833.33 mg/kg ATE inhalation (vapours) = 113.28 217.5 mg/L/4H See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u> <u>inh, rat</u>	<u>LD<sub>50</sub></u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Butane	276 000 ppm	N/Ap (gas)	N/Ap (gas)
Propane	N/Av	N/Ap (gas)	N/Ap (gas)
2-butoxyethanol	450 ppm (2.175 mg/L) (vapour)	530 mg/kg	400 - 500 mg/kg
Aqua ammonia	3670 ppm (rat) (Ammonia) 2115 ppm (mouse) (Ammonia)	350 mg/kg	N/Av
Diethanolamine	N/Av	680 mg/kg	8180 mg/kg
Formaldehyde solution	287 ppm	800 mg/kg (rat) The estimated human lethal dose is: 317 - 475 mg/kg	300 mg/kg

**Other important toxicological hazards**

- : None known or reported by the manufacturer.

**SECTION 12. ECOLOGICAL INFORMATION**

- Ecotoxicity** : No data is available on the product itself. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. See the following tables for individual ingredient ecotoxicity data.

**Ecotoxicity data:**

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Butane	106-97-8	N/Ap	N/Ap	N/Ap
Propane	74-98-6	N/Ap	N/Ap	N/Ap
2-butoxyethanol	111-76-2	1490 mg/L (Bluegill sunfish)	> 100 mg/L (Zebra fish)	None.
Aqua ammonia	1336-21-6	8.2 mg/L (Fathead minnow)	N/Av	None.
Diethanolamine	111-42-2	1370 mg/L (Fathead minnow)	N/Av	None.
Formaldehyde solution	50-00-0	6.7 mg/L (Striped bass)	≥ 48 mg/L/28-day (Japanese ricefish)	None.



**BATTERY TERMINAL CLEANER and  
PROTECTOR**

SDS Preparation Date (mm/dd/yyyy): 04/17/2020

**SAFETY DATA SHEET**

<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Butane	106-97-8	N/Ap	N/Ap	N/Ap
Propane	74-98-6	N/Ap	N/Ap	N/Ap
2-butoxyethanol	111-76-2	835 mg/L (Daphnia magna)	100 mg/L	None.
Aqua ammonia	1336-21-6	0.66 mg/L (Daphnia magna)	N/Av	1
Diethanolamine	111-42-2	55 mg/L (Daphnia magna)	0.78 mg/L	None.
Formaldehyde solution	50-00-0	5.8 mg/L (Daphnia magna)	N/Av	None.

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Butane	106-97-8	N/Ap	N/Ap	N/Ap
Propane	74-98-6	N/Ap	N/Ap	N/Ap
2-butoxyethanol	111-76-2	911 mg/L/72hr (Green algae)	286 mg/L/72hr	None.
Aqua ammonia	1336-21-6	N/Av	N/Av	None.
Diethanolamine	111-42-2	2.2 mg/L/96hr (Green algae)	N/Av	None.
Formaldehyde solution	50-00-0	14.7 mg/L/24hr (Green algae)	N/Av	None.

**Persistence and degradability**

: The product itself has not been tested.

**Bioaccumulation potential**

: The product itself has not been tested. See the following data for ingredient information.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Butane (CAS 106-97-8)	2.89 (estimated)	33 (estimated)
2-butoxyethanol (CAS 111-76-2)	0.8	0.97
Diethanolamine (CAS 111-42-2)	-2.18 at 25 °C	no significant bioconcentration
Formaldehyde solution (CAS 50-00-0)	0.35	3.0

**Mobility in soil**

: The product itself has not been tested.

**Other Adverse Environmental effects**

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.





**BATTERY TERMINAL CLEANER and  
 PROTECTOR**





SDS Preparation Date (mm/dd/yyyy): 04/17/2020

**SAFETY DATA SHEET**

**SECTION 13. DISPOSAL CONSIDERATIONS**

- Handling for Disposal** : Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. This material and its container must be disposed of in a safe way. Empty containers retain residue and can be dangerous. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
- Methods of Disposal** : Dispose of in accordance with federal, provincial and local hazardous waste laws.
- RCRA** : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

**SECTION 14. TRANSPORT INFORMATION**

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
IMDG	UN1950	AEROSOLS	2.1	none	
<b>IMDG Additional information</b>	Consult the IMDG regulations for exceptions.				
49CFR/DOT	UN1950	Aerosols, flammable	2.1	none	
<b>49CFR/DOT Additional information</b>	May be shipped as LIMITED QUANTITY when transported in quantities no larger than 1 Litre, in packages not exceeding 30 kg gross mass.				
49CFR/DOT	UN1950	Aerosols, flammable	2.1	none	
<b>49CFR/DOT Additional information</b>	May be shipped as LIMITED QUANTITY when transported in quantities no larger than 1 Litre, in packages not exceeding 30 kg gross mass.				
ICAO/IATA	UN1950	Aerosols, flammable	2.1	none	
<b>ICAO/IATA Additional information</b>	Refer to ICAO/IATA Packing Instruction				

**Special precautions for user** : Appropriate advice on safety must accompany the package. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.

**Environmental hazards** : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

: Not applicable.



**BATTERY TERMINAL CLEANER and  
 PROTECTOR**

SDS Preparation Date (mm/dd/yyyy): 04/17/2020

**SAFETY DATA SHEET**

**SECTION 15 - REGULATORY INFORMATION**

**US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Butane	106-97-8	Yes	None.	None.	No	N/Ap
Propane	74-98-6	Yes	None.	None.	No	N/Ap
2-butoxyethanol	111-76-2	Yes	None.	None.	No	N/Ap
Aqua ammonia	1336-21-6	Yes	1000 lb/ 454 kg	N/Ap	No	N/Ap
Diethanolamine	111-42-2	Yes	100 lb/ 45.4 kg	None.	Yes	1%
Formaldehyde solution	50-00-0	Yes	100 lbs / 45.4 kg	500 lb TPQ	Yes	0.1%

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Extremely flammable aerosol :Gas Under Pressure.

**US State Right to Know Laws:**

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Butane	106-97-8	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Propane	74-98-6	No	N/Ap	No	Yes	Yes	Yes	Yes	Yes
2-butoxyethanol	111-76-2	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Aqua ammonia	1336-21-6	No	N/Ap	Yes	Yes	No	Yes	Yes	No
Diethanolamine	111-42-2	Yes	Carcinogen	Yes	Yes	Yes	Yes	Yes	Yes
Formaldehyde solution	50-00-0	Yes	Cancer (gas)	Yes	Yes	Yes	Yes	Yes	Yes

**Canadian Information:**

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

**International Information:**

Components listed below are present on the following International Inventory list:



**BATTERY TERMINAL CLEANER and  
PROTECTOR**

SDS Preparation Date (mm/dd/yyyy): 04/17/2020

Page 11 of 12

**SAFETY DATA SHEET**

<u>Ingredients</u>	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Butane	106-97-8	203-448-7	Present	Present	(2)-4	KE-03751	Present	HSR000989
Propane	74-98-6	200-827-9	Present	Present	(2)-3	KE-29258	Present	HSR001010
2-butoxyethanol	111-76-2	203-905-0	Present	Present	(7)-97; (2)-407	KE-04134	Present	HSR001154
Aqua ammonia	1336-21-6	215-647-6	Present	Present	(1)-314	KE-01688	Present	HSR001526, HSR001517, HSR001516, HSR001563 (dilution)
Diethanolamine	111-42-2	203-868-0	Present	Present	(2)-354; (2)-302	KE-20959	Present (11481)	HSR002962
Formaldehyde solution	50-00-0	200-001-8	Present	Present	(2)-482	KE-17074	Present	HSR001584, HSR001162, HSR001518, HSR001583 (dilution)

**SECTION 16. OTHER INFORMATION**

**Legend**

- : ACGIH: American Conference of Governmental Industrial Hygienists  
AICS: Australian Inventory of Chemical Substances  
CAS: Chemical Abstract Services  
CSA: Canadian Standards Association  
EC50: Effective Concentration 50%  
EINECS: European Inventory of Existing Commercial chemical Substances  
ENCS: Existing and New Chemical Substances  
HSDB: Hazardous Substances Data Bank  
IARC: International Agency for Research on Cancer  
IBC: Intermediate Bulk Container  
IECSC: Inventory of Existing Chemical Substances  
IMDG: International Maritime Dangerous Goods  
IOC: Inventory of Chemicals  
KECI: Korean Existing Chemicals Inventory  
KECL: Korean Existing Chemicals List  
LC: Lethal Concentration  
LD: Lethal Dose  
N/Ap: Not Applicable  
N/Av: Not Available  
NIOSH: National Institute of Occupational Safety and Health  
NOEC: No observable effect concentration  
NTP: National Toxicology Program  
OECD: Organisation for Economic Co-operation and Development  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible exposure limit  
PICCS: Philippine Inventory of Chemicals and Chemical Substances  
RTECS: Registry of Toxic Effects of Chemical Substances  
SDS: Safety Data Sheet  
STEL: Short Term Exposure Limit  
TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
TLV: Threshold Limit Values  
TSCA: Toxic Substance Control Act  
TWA: Time Weighted Average  
WHMIS: Workplace Hazardous Materials Identification System



**BATTERY TERMINAL CLEANER and  
PROTECTOR**

**SDS Preparation Date (mm/dd/yyyy): 04/17/2020**

**SAFETY DATA SHEET**

- References** :
1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2018.
  2. International Agency for Research on Cancer Monographs, searched 2019.
  3. Canadian Centre for Occupational Health and Safety, CCHInfoWeb databases, 2019 (Chempendium, HSDB and RTECs).
  4. Safety Data Sheets from manufacturer.
  5. US EPA Title III List of Lists - June 2019 version.
  6. California Proposition 65 List - September 2019 version.
  7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2019.

**Preparation Date (mm/dd/yyyy)**

: 04/17/2020

**Other special considerations for handling**

: Provide adequate information, instruction and training for operators.

<p><b><u>Prepared for:</u></b> BBI Blumethal Brands Integrated 600 Radiator Rd. Indian Trail, NC 28079 Telephone: (704) 684 1936</p>	
<p><b><u>Prepared by:</u></b> ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada) <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	

**DISCLAIMER**

This Safety Data Sheet was prepared by ICC The Compliance Center Inc. using information provided by BBI Blumethal Brands Integrated and CCOHS' Web Information Service. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc and BBI Blumethal Brands Integrated expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and BBI Blumethal Brands Integrated.

**END OF DOCUMENT**