

# Battery Cleaner

## Safety Data Sheet



### SECTION 1: Product and company identification

Product name : Battery Cleaner  
Use of the substance/mixture : Cleaner  
Aerosol  
Product code : 820501  
Company : Share Corporation  
P.O. Box 245013  
Milwaukee, WI 53224 - USA  
T (414) 355-4000  
Emergency number : Chemtrec: (800) 424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Flam. Liq. 4 H227  
Eye Irrit. 2A H319  
Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US)



GHS07

Signal word (GHS-US) : Warning  
Hazard statements (GHS-US) : Combustible liquid  
Causes serious eye irritation  
Precautionary statements (GHS-US) : Keep away from heat, hot surfaces, open flames, sparks. - No smoking  
Wash thoroughly after handling  
Wear eye protection, protective gloves, protective clothing  
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  
In case of fire: Use Water fog., dry extinguishing powder, carbon dioxide (CO2) to extinguish  
Store in a well-ventilated place. Keep cool  
Dispose of contents/container to comply with local/regional/national/international regulations

#### 2.3. Other hazards

Other hazards not contributing to the classification : Pressurized container: may burst if heated.

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable  
Full text of H-phrases: see section 16

#### 3.2. Mixture

| Name               | Product identifier | %       | Classification (GHS-US)   |
|--------------------|--------------------|---------|---|
| AQUA               | (CAS No) 7732-18-5 | 54 - 95 | Not classified  |
| butane             | (CAS No) 106-97-8  | 2 - 4   | Flam. Gas 1, H220<br>Compressed gas, H280   |
| SODIUM BICARBONATE | (CAS No) 144-55-8  | 2 - 3   | Not classified  |
| Glycol Ether EB    | (CAS No) 111-76-2  | 1 - 2   | Flam. Liq. 4, H227<br>Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>STOT RE 2, H373<br>Asp. Tox. 1, H304 |

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| Name      | Product identifier | %     | Classification (GHS-US)                   |
|-----------|--------------------|-------|---|
| propane   | (CAS No) 74-98-6   | 1 - 2 | Flam. Gas 1, H220<br>Compressed gas, H280 |
| isobutane | (CAS No) 75-28-5   | 1 - 2 | Not classified                            |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Brush off loose particles from skin. Wash immediately with lots of water. Take victim to a doctor if irritation persists. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth with water. Do NOT induce vomiting. Immediately call a poison center or doctor/physician. Vomiting: prevent asphyxia/aspiration pneumonia.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Causes serious eye irritation.
- Symptoms/injuries after inhalation : None under normal use.
- Symptoms/injuries after skin contact : Contact during a long period may cause light irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.
- Symptoms/injuries after ingestion : Gastrointestinal complaints.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Water fog. Dry chemical powder. Carbon dioxide.
- Unsuitable extinguishing media : Solid water jet ineffective as extinguishing medium.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Under fire conditions closed containers may rupture or explode.
- Explosion hazard : Contains gas under pressure; may explode if heated.
- Reactivity : Upon combustion: CO and CO2 are formed.

#### 5.3. Advice for firefighters

- Firefighting instructions : Eliminate all ignition sources if safe to do so. Evacuate area. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Eliminate every possible source of ignition. Stay upwind/keep distance from source.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Do not enter without an appropriate protective equipment.
- Emergency procedures : Do not breathe vapors.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection.
- Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

#### 6.3. Methods and material for containment and cleaning up

- For containment : Dam up the liquid spill.

#### 6.4. Reference to other sections

No additional information available

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Additional hazards when processed : Pressurized container: Do not pierce or burn, even after use.
- Precautions for safe handling : Do not breathe vapors. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. . Do not get in eyes, on skin, or on clothing. Ensure good ventilation of the work station. Keep container tightly closed. Observe normal hygiene standards.
- Hygiene measures : Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Comply with applicable regulations. Do not puncture, incinerate or crush. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Storage conditions : Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use.
- Heat-ignition : KEEP SUBSTANCE AWAY FROM: ignition sources. heat sources.
- Storage area : Meet the legal requirements. Keep out of direct sunlight. Store in a cool area.
- Special rules on packaging : Keep only in original container.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| butane (106-97-8)          |                      |               |
|----------------------------|----------------------|---------------|
| ACGIH                      | ACGIH TWA (ppm)      | 1000 ppm      |
| ACGIH                      | ACGIH STEL (ppm)     | 1000 ppm      |
| Glycol Ether EB (111-76-2) |                      |               |
| ACGIH                      | ACGIH TWA (ppm)      | 20 ppm        |
| ACGIH                      | Remark (ACGIH)       | Eye & URT irr |
| propane (74-98-6)          |                      |               |
| ACGIH                      | ACGIH TWA (ppm)      | 1000 ppm      |
| OSHA                       | OSHA PEL (TWA) (ppm) | 1000 ppm      |
| isobutane (75-28-5)        |                      |               |
| ACGIH                      | ACGIH STEL (ppm)     | 1000 ppm      |

#### 8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Personal protective equipment : Gloves. Safety glasses. Protective clothing. Use appropriate personal protective equipment when risk assessment indicates this is necessary.



### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Aerosol.
- Odor : Mild odor
- Odor threshold : No data available
- pH : 8.75
- Melting point : No data available
- Freezing point : No data available
- Boiling point : < 212 °F
- Flash point : > 200 °F
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : No data available
- Explosion limits : No data available
- Explosive properties : No data available

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|                                 |                     |
|---------------------------------|---------------------|
| Oxidizing properties            | : No data available |
| Vapor pressure                  | : No data available |
| Relative density                | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Specific gravity / density      | : 1 g/ml            |
| Solubility                      | : Soluble in water. |
| Log Pow                         | : No data available |
| Log Kow                         | : No data available |
| Auto-ignition temperature       | : No data available |
| Decomposition temperature       | : No data available |
| Viscosity                       | : No data available |
| Viscosity, kinematic            | : No data available |
| Viscosity, dynamic              | : No data available |
| VOC content                     | : 8.9 %             |

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Upon combustion: CO and CO<sub>2</sub> are formed.

#### 10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

#### 10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

#### 10.4. Conditions to avoid

Aerosol containers are unstable at temperatures above 49°C. Avoid temperatures exceeding the flash point.

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

No additional information available

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| Glycol Ether EB (111-76-2) |                            |
|----------------------------|----------------------------|
| LD50 oral rat              | 1300 mg/kg                 |
| LD50 dermal rat            | > 2000 mg/kg               |
| ATE CLP (oral)             | 1300.000 mg/kg body weight |
| ATE CLP (dermal)           | 1100.000 mg/kg body weight |
| ATE CLP (dust, mist)       | 1.500 mg/l/4h              |

| SODIUM BICARBONATE (144-55-8) |              |
|-------------------------------|--------------|
| LD50 oral rat                 | > 4000 mg/kg |
| LC50 inhalation rat (mg/l)    | > 4.74 mg/l  |

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | : Not classified<br>pH: 8.75                 |
| Serious eye damage/irritation     | : Causes serious eye irritation.<br>pH: 8.75 |
| Respiratory or skin sensitization | : Not classified                             |
| Germ cell mutagenicity            | : Not classified                             |
| Carcinogenicity                   | : Not classified                             |

| Glycol Ether EB (111-76-2) |                      |
|----------------------------|----------------------|
| IARC group                 | 3 - Not Classifiable |

|  |                  |
|--|------------------|
| Reproductive toxicity                            | : Not classified |
| Specific target organ toxicity (single exposure) | : Not classified |

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Specific target organ toxicity (repeated exposure) : Not classified.

### Glycol Ether EB (111-76-2)

|                                     |   |
|-------------------------------------|---|
| LOAEL (oral, rat, 90 days)          | 69 mg/kg bodyweight/day Target organ: liver |
| NOAEL (dermal, rat/rabbit, 90 days) | 150 mg/kg bodyweight/day                    |

Aspiration hazard : Not classified  
Symptoms/injuries after inhalation : None under normal use.  
Symptoms/injuries after skin contact : Contact during a long period may cause light irritation.  
Symptoms/injuries after eye contact : Causes serious eye irritation.  
Symptoms/injuries after ingestion : Gastrointestinal complaints.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Glycol Ether EB (111-76-2)

|                        |   |
|------------------------|---|
| LC50 fish 1            | 1474 mg/l Oncorhynchus mykiss             |
| EC50 Daphnia 1         | 100 mg/l Water flea                       |
| ErC50 (algae)          | 1840 mg/l Pseudokirchneriella subcapitata |
| NOEC chronic fish      | > 100 mg/l                                |
| NOEC chronic crustacea | 100 mg/l daphnid                          |

#### SODIUM BICARBONATE (144-55-8)

|                |                               |
|----------------|-------------------------------|
| LC50 fish 1    | 7700 mg/l Oncorhynchus mykiss |
| EC50 Daphnia 1 | 4100 mg/l Daphnia magna       |
| LC50 fish 2    | 7100 mg/l Lepomis macrochirus |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Additional information : Do not re-use empty containers.

## SECTION 14: Transport information

### Department of Transportation (DOT)

#### Additional information

Other information : This product may be eligible to be shipped as a Limited Quantity or Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.306.

#### ADR

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

## SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Ethylene Glycol Monobutyl Ether

111-76-2

1-2

butane (106-97-8)

Not listed on SARA Section 313 (Specific toxic chemical listings)

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propane (74-98-6)

Not listed on SARA Section 313 (Specific toxic chemical listings)

California Proposition 65 - This product does not contain trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.

### SECTION 16: Other information

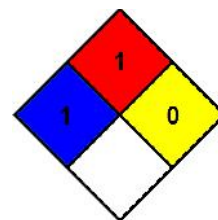
Full text of H-phrases:

|                     |   |
|---------------------|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4                                  |
| Asp. Tox. 1         | Aspiration hazard Category 1                                      |
| Compressed gas      | Gases under pressure Compressed gas                               |
| Eye Irrit. 2A       | Serious eye damage/eye irritation Category 2A                     |
| Flam. Gas 1         | Flammable gases Category 1  |
| Flam. Liq. 4        | Flammable liquids Category 4                                      |
| Skin Irrit. 2       | Skin corrosion/irritation Category 2                              |
| STOT RE 2           | Specific target organ toxicity (repeated exposure) Category 2     |
| H220                | Extremely flammable gas   |
| H227                | Combustible liquid  |
| H280                | Contains gas under pressure; may explode if heated                |
| H302                | Harmful if swallowed  |
| H304                | May be fatal if swallowed and enters airways                      |
| H315                | Causes skin irritation  |
| H319                | Causes serious eye irritation                                     |
| H373                | May cause damage to organs through prolonged or repeated exposure |

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Prepared by: Technical Department

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.*