

# SAFETY DATA SHEET.

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Version 1

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

**Product identifier**

**Product name** 4615-0 GALLON BATTERY CLEANER

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

**Product code** F01656

**Product Type** Non-flammable liquid  
**Synonyms** None

**Supplier's details**

**Recommended Use** Battery Cleaner.  
**Uses advised against** No information available

**Emergency telephone number**  
**Chemical Emergency Phone Number** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B

### GHS Label elements, including precautionary statements

#### Emergency Overview

#### WARNING

#### Hazard Statements

Causes skin irritation  
Causes eye irritation



**Appearance** Clear

**Physical state** Liquid

**Odor** Mild

#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/eye protection/face protection.

#### Precautionary Statements - Response

Specific treatment (see first aid on this label)

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

IF ON SKIN: Wash with plenty of soap and water.

Take off contaminated clothing and wash before reuse

If skin irritation occurs: Get medical advice/attention

#### Hazards not otherwise classified (HNOC)

None

#### Other information

0.025% of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %*
TRIETHANOLAMINE	102-71-6	1-10

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

## 4. FIRST AID MEASURES

**First aid measures for different exposure routes**

<b>General advice</b>	Avoid contact with eyes, skin, and clothing. Avoid breathing, vapors, mist, or gas.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/advice.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Get medical attention immediately if symptoms occur.
<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.
<b>Ingestion</b>	Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person.

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

**Main Symptoms** May cause skin and eye irritation.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Water fog. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Cool containers/tanks with water spray.

**Unsuitable Extinguishing Media** Keep away from heat and sources of ignition. Do not smoke. Cool containers / tanks with water spray.

**Specific hazards arising from the chemical**

No information available.

**Explosion Data**

**Sensitivity to Mechanical Impact** none.

**Sensitivity to Static Discharge** none.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

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

**Personal precautions** Evacuate personnel to safe areas. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Avoid dust formation. Keep people away from and upwind of spill/leak.

**Environmental precautions**

**Environmental precautions** Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Prevent further leakage or spillage if safe to do so.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Soak up condensate with inert absorbent material and collect in ventilated waste container for disposal.

**Methods for cleaning up** Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.

### Conditions for safe storage, including any incompatibilities

**Technical measures/Storage conditions** Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children. Store locked up.

**Incompatible products** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
TRIETHANOLAMINE 102-71-6	TWA: 5 mg/m <sup>3</sup>	-	-

*ACGIH: (American Conference of Governmental Industrial Hygienists)*

*OSHA: (Occupational Safety & Health Administration)*

*NIOSH IDLH: Immediately Dangerous to Life or Health*

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### Exposure controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Safety glasses with side-shields.

**Skin and body protection** Chemical resistant apron. Protective gloves.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Mild
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	No information available
<b>Color</b>	amber		

<b>Property</b>	<b>Values</b>	<b>Remarks • Methods</b>
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pH	9
Melting/freezing point	No information available
Boiling point/boiling range	No information available
Flash Point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limits in Air	
upper flammability limit	No information available
lower flammability limit	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity	1.05
Water solubility	Practically insoluble
Partition coefficient: n-octanol/water	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	No information available

**Other information**

VOC Content(%)	1
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## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Eye contact</b>	Avoid contact with eyes. Irritating to eyes.
<b>Skin contact</b>	Irritating to skin. Repeated exposure may cause skin dryness or cracking. Prolonged skin contact may defat the skin and produce dermatitis. Avoid contact with skin.
<b>Ingestion</b>	May be harmful or fatal if swallowed.

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation

TRIETHANOLAMINE 102-71-6	= 4190 mg/kg ( Rat )	> 20 mL/kg ( Rabbit )	-
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**Information on toxicological effects**

**Symptoms** May cause skin and eye irritation.

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

**Skin corrosion/irritation** Irritating to skin.  
**Eye damage/irritation** Irritating to eyes.  
**Irritation** Irritating to eyes and skin.  
**Sensitization** None known.  
**Germ Cell Mutagenicity** None known.  
**Carcinogenicity** The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
TRIETHANOLAMINE 102-71-6	-	Group 3	-	-

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**Reproductive toxicity** This product does not contain any known or suspected reproductive hazards.  
**Specific target organ systemic toxicity (single exposure)** May cause respiratory irritation. May cause drowsiness and dizziness.  
**Specific target organ systemic toxicity (repeated exposure)** None under normal use conditions.  
**Chronic toxicity** Prolonged skin contact may defat the skin and produce dermatitis.  
**Neurological effects** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.  
**Aspiration hazard** Not applicable.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 0.025% of the mixture consists of ingredient(s) of unknown toxicity

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
TRIETHANOLAMINE 102-71-6	216 mg/L EC50 Desmodesmus subspicatus 72h 169 mg/L EC50 Desmodesmus subspicatus 96h	10600 - 13000 mg/L LC50 Pimephales promelas 96h flow-through 450 - 1000 mg/L LC50 Lepomis macrochirus 96h static 1000 mg/L LC50 Pimephales promelas 96h static	-	-

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

Chemical Name	log Pow
TRIETHANOLAMINE 102-71-6	-2.53

**Other adverse effects** No information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment

<b>Waste Disposal Methods</b>	It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.
<b>Contaminated packaging</b>	Do not re-use empty containers.

### 14. TRANSPORT INFORMATION

<b>DOT Ground</b>	NOT REGULATED FOR SHIPMENT
<b>IATA</b>	NOT REGULATED FOR SHIPMENT
<b>IMDG</b>	NOT REGULATED FOR SHIPMENT

### 15. REGULATORY INFORMATION

#### International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
TRIETHANOLAMINE	X	X	X	X	X	X	X	X

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**CHINA** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

#### U.S. Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

##### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	no
<b>Sudden Release of Pressure Hazard</b>	no
<b>Reactive Hazard</b>	no

##### 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, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

**U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
TRIETHANOLAMINE 102-71-6	X	X	X

EPA Pesticide Registration Number Not applicable

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**16. OTHER INFORMATION**

<b>NFPA</b>	Health Hazard 1	Flammability 0	Instability 0	Physical and chemical hazards -
<b>HMIS</b>	Health Hazard 1	Flammability 0	Physical Hazard 0	Personal protection B

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Revision Note  
 No information available

**Disclaimer**

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of Safety Data Sheet**