



ENERGY

BOLT

SDS

1651

SAFETY DATA SHEET

SECTION I - IDENTIFICATION

PRODUCT TRADE NAME: Bolt

Chemical Family: Acid Detergent- Descaler

Formula: Proprietary

Product #: 1651

Date of Issue: 8/3/15

Supplier:

C K ENTERPRISES, INC.
1204 SW Jefferson Street
Lee's Summit, Missouri 64081
(816) 524-1304

EMERGENCY CONTACT:

CHEMTREC - 1-800-424-9300

(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

SECTION II - HAZARDOUS IDENTIFICATION

DANGER!



Health Hazards

Acute Toxicity; Oral	Category 4
Skin Corrosion/Irritation	Category 1
Serious eye damage/ eye irritation	Category 1
Specific Target Organ Toxicity, single exposure; Narcotic Effects	Category 3

Hazard Statements:

- Causes severe skin burns and eye damage
- Harmful if swallowed
- May cause drowsiness or dizziness

Precautionary Statements:

- Avoid breathing in dust mist or spray
- Keep container tightly closed
- Use personal protective equipment as required
- Do not get in eyes, skin or on clothing
- Wash hands thoroughly after handling

HMIS Code:

HEALTH HAZARD	2
FIRE HAZARD	0
REACTIVITY	1
SPECIFIC HAZARD	

Potential Acute Effects:

- Eyes-may cause severe eye irritation or burns
- Skin-may cause dryness and irritation or burns on skin
- Inhalation- may cause headaches dizziness or nausea
- Ingestion- may cause severe irritation and gastrointestinal damage

SECTION III - COMPOSITION INFORMATION

Name of Hazardous Ingredients	CAS Number	% by Weight
Sulfuric Acid	7664-93-9	1-5%
Phosphoric Acid	7664-38-2	5-10%
Glycolic Acid	79-14-1	1-5%

SECTION IV - FIRST AID MEASURES

Emergency First Aid Procedures:

- IN EYES:** Flush immediately with clean water for 15 minutes. Get medical attention if discomfort persists.
- ON SKIN:** Flush all skin contact areas with water for 15 minutes. Use a mild soap. Seek medical attention if discomfort persists.
- INHALATION:** Avoid excessive contact with mist. Remove person to fresh air. Begin CPR if breathing has stopped, and seek medical attention immediately.
- INGESTION:** Seek immediate medical attention. Dilute by giving two glasses of water to drink. Do not give if unconscious. Do not induce vomiting. Call local poison control center.

SECTION V - FIREFIGHTING MEASURES

- Flash Point (Method Used):** N/A
- Flammable Limits:** LEL: N/A UEL:N/A
- Extinguishing Media:** Water, fog, foam dry chemical, sand, earth satisfactory
- Special Fire Fighting Procedures:** N/A
- Hazardous Combustion Products:** None

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps To Be Taken If Released or Spilled: All spilled material must be contained and kept out of waterways, sewers and drains. The spilled chemical should be absorbed with an inert material. Flush cleaned area thoroughly with water.



CK Enterprises, Inc.

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken In Handling and Storage: Keep container tightly closed when not in use. Do not store in areas of high temperature. Do not store in area of oxidizing/reducing agents.

Other Precautions: KEEP OUT OF THE REACH OF CHILDREN. Follow directions on the product label. Take the necessary safety precautions to protect your health.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
Sulfuric Acid	1mg/m ³	1mg/m ³		0.2mg/m ³
Phosphoric Acid	1mg/m ³	1mg/m ³		1mg/m ³

- **Respiratory Protection:** N/A
- **Ventilation:** Ventilation recommended to control mist. Use in a well-ventilated area.
- **Protective Gloves:** Rubber or neoprene gloves are recommended when handling the concentrated material.
- **Eye Protection:** Safety glasses or chemical splash goggles are recommended
- **Other Protective Equipment:** Rubber aprons should be worn as protection to the body while handling this product.
- **Hygienic Practices:** Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and 1910.133.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	>212°F
Specific Gravity (Water = 1):	1.09-1.11
Vapor Pressure:	N/A
Vapor Density (Air = 1):	N/A
Evaporation Rate (Water = 1):	N/A
Solubility in Water:	Complete
pH @ 100% solution:	0.0-1.0
Appearance/Odor:	Red liquid;

SECTION X - STABILITY AND REACTIVITY

Stability Data: Stable
Incompatibility: Strong oxidizing agents, alkali, sodium hypochlorite
Hazardous Decomposition Products: Do not mix with bleach products, may emit toxic mustard gas.
Hazardous Polymerization: Will not occur

SECTION XI - TOXICOLOGICAL INFORMATION

Routes of Entry	Dermal, Oral, and Inhalation
Symptoms	Possible corrosion
Skin Irritant	Yes
Eye Irritant	Yes
Sensitizers	Not determined
Mutagenicity	No reported mutagenic effects on humans
Carcinogenicity	Sulfuric acid: Group 1 Carcinogen to humans (IARC)(mist form)
Reproductive	Sulfuric acid: may cause adverse effects based on animal data

Target Organs None
Aspiration Hazards None

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate (ATE) using the additive formula has been determined.

Test	Results	Basis
Dermal	5,655mg/kg	ATE determined beyond Category 4
Oral	1,638mg/kg	ATE determined of oral Category 4
Inhalation	No info available	

SECTION XII - ECOLOGICAL INFORMATION

No ecological information available.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with all Federal, State and Local pollution control regulations.

SECTION XIV - TRANSPORT INFORMATION

Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, n.o.s (contains Sulfuric Acid and Phosphoric Acid)
D.O.T. Classification: 8, Corrosive, UN3264, PGII
D.O.T. Placard: UN3264/CORROSIVE
Precautions to be taken in transportation: Keep container tightly closed.

SECTION XV - REGULATORY INFORMATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

CAS #	7664-93-9
Chemical Name:	Sulfuric Acid
Percent by Weight:	1-5%

Phosphoric acid is reportable under CERCLA with a RQ of 5000 lbs.

SECTION XVI - OTHER INFORMATION

Date Issued: 8/3/15 **Supersedes:** 3/24/14

This information must be included in all Safety Data Sheets that are copied and distributed for this material.

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.