

SPI Supplies Division

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Manufacturer's CAGE: 1P573

Safety Data Sheet

Date Effective: March 6, 2013

SPI # 01136-AB, 01136-AE, 01141-AB
Citrajel® Low-foaming Liquid Acid Cleaner and
Detergent

Section 1: Identification

Chemical Name/Synonyms.....Citrajel® Low-Foaming Liquid Acid Cleaner and Detergent

Chemical family.....Detergent

Emergencies

Contacting CHEMTREC:

24 Hour Emergency Use Only #'s...

Worldwide phone: 1-(703)-527-3887

Worldwide FAX: 1-(703)-741-6090

Toll-free phone: 1-(800)-424-9300 USA only

Product or Trade Name.....SPI # 01136-AB
01136-AE
01141-AB
Detergent

CAS #'s.....7732-18-5, 77-92-9, 79-14-1, 102-71-6, 68603-25-8

Chemical Formula.....Not Available

Hazardous Material Information System USA

Health.....1

Fire Hazard.....0

Reactivity.....0

Personal Protection.....

NFPA Rating (estimated)

Health.....1

Flammability.....0

Reactivity.....0

GHS Classification(s):

Eye Irritant Category 2A

GHS Hazard Symbol(s)



Signal Word: Warning!

Hazard Statement(s):

H319: Causes serious eye irritation

Precautionary Statement(s):

P260: Do not breath dust/fume/gas/mist/vapors/spray

P264: Wash hands thoroughly after handling

P271: Use only in well ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Section 2: Composition

Components	CAS#	EC#	WT%
Water	7732-18-5	231-791-2	50 – 70
Citric Acid	77-92-9	201-069-1	5 - 15
Glycolic Acid	79-14-1	201-180-5	5 – 15
Triethanol Amine	102-71-6	203-049-8	2 – 7
Alcohol Alkoxylate	68603-25-8	Not Listed	1 – 5

Section 3: Hazard Identification**Emergency overview:** Routes of entry include skin and eye contact, inhalation, and ingestion.**Appearance:** Pale yellow liquid.**Flash Point:** None.**Warning!****Target Organs:** Eyes, skin, gastrointestinal tract.**Potential Health Effects****Eye:** May cause irritation.**Skin:** Prolonged contact may cause irritation.**Ingestion:** May cause diarrhea, vomiting, or gastric distress.**Inhalation:** May cause irritation.**Chronic:** This product contains a component that may be corrosive.

Section 4: First Aid Measures**EYE CONTACT:** If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention.**SKIN CONTACT:** Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder before re-use.**INHALATION:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.

INGESTION: If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, or eye problems may be aggravated by prolonged contact.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and reduce over-exposure.

Section 5: Fire Fighting Measures

General Information: Always wear full protective equipment including self containing breathing apparatus.

Auto Ignition Temperature: N/A

Flash Point: None.

Flammability: Not flammable.

Hazardous Combustion Products: Carbon oxides. Oxygen. Hydrogen. Hydrocarbons. Carbon.

Extinguishing Media: Carbon dioxide, dry chemical, water, water fog, foam.

Protective Measures: No special protective measures are required.

Section 6: Accidental Release Measures

Spills/Leaks: Wear appropriate protective equipment and contain the spill. Small amounts may be flushed into a sanitary sewer with copious amounts of water. Clean contaminated area thoroughly and notify the proper authorities as required.

Section 7: Handling and Storage

Handling: Avoid breathing vapors or mist. Always use adequate ventilation when handling the product. Avoid physical damage. Avoid contact with skin, eyes, and clothing. Wash thoroughly after use. Launder contaminated clothing before reuse. Keep out of reach of children.

Storage: Store in a closed container and avoid extreme temperatures.

Section 8: Exposure Controls and Personal Protection

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Sub part I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below guidelines listed above. Please check with competent authority in each country for the most recent limits in place. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION: Safety glasses. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

HAND PROTECTION: Use chemical resistant gloves to prevent skin contact.. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

BODY PROTECTION: Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

Section 9: Physical and Chemical Properties

PHYSICAL STATE: Liquid

APPEARANCE & ODOR: Pale yellow liquid with little or no odor.

ODOR THRESHOLD (PPM): Not Available

VAPOR PRESSURE (mmHg): 17 @ 20°C (68°F)

VAPOR DENSITY (AIR=1): >1

BY WEIGHT: Not Available

EVAPORATION RATE (nBuAc = 1): <1

BOILING POINT (C°): 103°C (217°F)

FREEZING POINT (C°): Not Applicable.

pH: 2.5

SPECIFIC GRAVITY 20°C: (WATER =1) 1.12

SOLUBILITY IN WATER (%) Complete

COEFFICIENT OF WATER/OIL DIST.: Not Available

VOC: None

Section 10: Stability and Reactivity

STABILITY: Product is stable

DECOMPOSITION PRODUCTS: When heated to decomposition this product produces Oxides of carbon (COx),Hydrocarbons,Oxygen, Hydrogen (H).

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Strong acids and strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Contact with incompatible materials.

Section 11: Toxicological Information

TOXICITY DATA: Toxicity data is available for mixture:

CAS#	77-92-9	LD50 Oral (Rat)	3000 mg/kg
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SUSPECTED CANCER AGENT: None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is not considered to be, nor suspected to be a cancer-causing agent by these agencies.

IRRITANCY OF PRODUCT: Contact with this product can be irritating to exposed skin, eyes and respiratory system.

SENSITIZATION OF PRODUCT: This product is not considered a sensitizer.

REPRODUCTIVE TOXICITY INFORMATION: No information concerning the effects of this product and its components on the human reproductive system.

Section 12: Ecological Information

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

ENVIRONMENTAL STABILITY: No Data available at this time.

EFFECT OF MATERIAL ON PLANTS or ANIMALS: No evidence is currently available on this product's effects on plants or animals.

EFFECT OF CHEMICAL ON AQUATIC LIFE: No evidence is currently available on this product's effects on aquatic life.

Section 13: Disposal Considerations

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations.

Section 14: Transport Information

US DOT HAZARD CLASS: Not regulated.

IATA (FOR INTERNATIONAL SHIPMENTS): Not regulated.

Section 15: Regulatory Information

UNITED STATES REGULATIONS

SARA REPORTING REQUIREMENTS: This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows: None

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312:

Acute Health: Yes Chronic Health: No Fire: No Reactivity: No

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): None of the ingredients are on the California Proposition 65 lists.

CANADIAN REGULATIONS

CANADIAN DSL/NDL INVENTORY STATUS: All of the components of this product are on the DSL Inventory

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This product is categorized as a Controlled Product, Hazard Class D2B as per the Controlled Product Regulations

EUROPEAN ECONOMIC COMMUNITY INFORMATION

EU LABELING AND CLASSIFICATION:

Hazard Symbol(s)

[Xi] irritant

Risk Phrase(s):

R36: Irritating to eyes

Safety Phrase(s):

S2: Keep out of the reach of children

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36: Wear suitable protective clothing.

AUSTRALIAN INFORMATION FOR PRODUCT

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: All components of this product are listed on the AICS.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed
Australian Inventory of Chemical Substances (AICS):	Listed
Korean Existing Chemicals List (ECL):	Listed
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	Listed
Swiss Giftliste List of Toxic Substances:	Listed
U.S. TSCA:	Listed

Section 16: Other Information

Disclaimer of Liability:

Caution! Do not use SPI Supplies products or materials in applications involving implantation within the body; direct or indirect contact with the blood pathway; contact with bone, tissue, tissue fluid, or blood; or prolonged contact with mucous membranes. Products offered by SPI Supplies are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. SPI Supplies will not provide to customers making devices for such applications any notice, certification, or information necessary for such medical device use required by US FDA (Food and Drug Administration) regulation or any other statute. SPI

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