

**VB 1015**  
**VB 1016**

## SAFETY DATA SHEET

### 1. Product and Company Identification

**Product Name:** AQ 1028 Citrus Cleaner  
**Product Code:** AQ1028 **Chemical Type:** Solvent Blend  
**Product Use:** Use as received at ambient temperature or heated to 140 F. May be diluted with water. Hand wipe, mop or dip.

**Manufacturer:** Chemical Solvents Inc. **Revision Date:** 9/21/2015  
**Address:** 3751 Jennings Rd. **Emergency:** Chemtrec (800)424-9300  
Cleveland, Ohio 44109 **Phone:** (800) 362-0693

### 2. Hazards Identification

**Signal word :** Warning  
**Pictogram:** none

**Hazard statements :**  
May be harmful if swallowed.  
May be harmful in contact with skin.  
May cause eye irritation.  
May cause skin irritation.  
May cause respiratory irritation.

#### Precautionary statements

**Prevention:** Wear protective gloves/protective clothing/eye protection/face protection.  
Avoid release to the environment.

**Response:** IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.

IF ON SKIN: Call a POISON CENTER or physician if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Storage:** Not applicable.

**Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.

### 3. Composition/Information on Ingredients

Ingredients	CAS #	Percent	Exposure Limits
Surfactants Mix/fragrance	Proprietary	1-5%	Not Established
Water	7732-18-5	Balance	Not Established
Tetrasodium EDTA	64-02-8	0-1%	OSHA (PEL)- 2 mg/m <sup>3</sup> Ceiling ACGIH (TLV)- 2 mg/m <sup>3</sup> Ceiling

#### 4. First Aid Measures

**Eye Contact:** Flush with warm water for 15 minutes. Seek medical attention.

**Skin Contact:** Wash with soap and water. Remove any contaminated clothing and launder before reusing. If irritation persists, seek medical attention.

**Inhalation:** Remove exposed individual to fresh air, protecting yourself. Restore breathing if necessary. Contact a physician.

**Ingestion:** Immediately give the person two large glasses of water. Do not induce vomiting. Get medical attention immediately. **DO NOT GIVE AN UNCONCIOUS OR CONVULSING PERSON ANYTHING BY MOUTH!**

#### 5. Fire Fighting Measures

**Flash Point:** >212 F (TCC)

**Flammable limits in air, % by volume:**

**Upper:** No Information

**Lower:** No Information

**Extinguishing Media:** Dry chemical, carbon dioxide, halon, or foam is recommended. Water spray may be used to cool containers or structures. Halon may decompose into toxic materials and carbon dioxide will displace oxygen, take proper precautions when using these materials.

**Unusual Fire & Explosion Hazards:** This material may be ignited by extreme heat, sparks, flames or other ignition sources (static electricity). Vapors are heavier than air and will collect in low areas (sewers) or travel considerable distances. If containers are not cooled in a fire, they may rupture and ignite.

**Special Fire Fighting Procedures:** Emergency responders should wear self-contained breathing apparatus. Wear other protective gear as conditions warrant. Keep unauthorized people out and try to contain spills or leaks if it can be done safely. Material will float on water, avoid spreading the fire.

#### 6. Accidental Release Measures

**Spill or Leak Instructions** Contain spill with dikes of soil or nonflammable absorbent to minimize contaminated area. Avoid run-off into storm sewers and ditches leading to waterways. If required, notify state and local authorities. Place leaking containers in well-ventilated area. Clean up small spills by using a nonflammable absorbent or flushing sparingly with water. Contain larger spills with nonflammable diking or absorbent. Clean up by vacuuming or sweeping.

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Assess the spill situation, as the spill may not evolve large amounts of hazardous airborne contaminants in many outdoor spill situations. It may be advisable in some cases to simply monitor the situation until spilled product is removed.

## 7. Handling and Storage

**Handling:** FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN

Use in accordance with good work place practices. Use with adequate ventilation. Keep containers closed when not in use. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapor. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Decontaminate soiled clothing thoroughly before re-use. Destroy contaminated leather clothing.

Empty containers may contain residues from the product. Treat empty containers with the same precautions as the material last contained. Do not cut, weld or apply heat to empty containers.

**Storage:** Store in a cool, dry area, away from heat or direct sunlight. Keep containers closed when not in use. Do not store with incompatible materials

## 8. Exposure Controls / Personal Protection

**Protective Equipment:** Use synthetic gloves if necessary to prevent excessive skin contact. Do not wear contacts and always use ANSI approved safety glasses or splash shield.

**Engineering Controls:** General or dilution ventilation is frequently sufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Use a NIOSH approved respirator if ventilation is not adequate to maintain exposures below TLV levels.

**Discretion Advised:** Chemical Solvents Inc. takes no responsibility for determining what measures are required for personal protection in any specific application. The general information should be used with discretion.

### Exposure guidelines:

Ingredients	CAS #	Percent	Exposure Limits
Surfactants Mix/fragrance	Proprietary	1-5%	Not Established
Water	7732-18-5	Balance	Not Established
Tetrasodium EDTA	64-02-8	0-1%	OSHA (PEL)- 2 mg/m3 Ceiling ACGIH (TLV)- 2 mg/m3 Ceiling

## 9. Physical and Chemical Properties

Physical state Liquid. [Mobile liquid.]	Melting point 32 F
Vapor pressure: Not available	Vapor density Not available
Odor; mild	pH: 9-11
Color Clear	Evaporation rate <1 (butyl acetate = 1)
Odor threshold Not available.	Viscosity Not available
Flash point Closed cup: >212°F [Tagliabue.]	Boiling point : (212°F)
Flammability (solid, gas) : Not available.	Relative density: 1.01
Lower and upper explosive (flammable) limits : Not available	Auto-ignition temperature Not Available
Solubility: Complete in cold water and hot water.	Decomposition temperature : Not available.
Partition coefficient: noctanol/ water: Not available	

## 10. Stability and Reactivity

**Stability:** Stable

**Conditions to Avoid:** Heat, spark, and open flame

**Incompatibility:** Strong Oxidizing Agents

**Hazardous Decomposition:** Combustion will produce Carbon Monoxide, Carbon Dioxide and nitrogen-oxygen compounds.

**Hazardous Polymerization:** Will not occur

## 11. Toxicological Information

### Component Summary:

#### Conditions Aggravated by Exposure:

Pre-existing disorders or diseases of the nervous system, liver, respiratory system, skin, eyes, blood-forming organs, kidneys, and gastrointestinal system

## 12. Ecological Information

**Ecotoxicity:** This material is highly soluble in water. Laboratory toxicity tests indicate that is not significantly toxic to fish and aquatic invertebrates, although amphibians may be more sensitive. Wildlife species may be

more susceptible since mammals and birds do not readily metabolize this material. The odor and flavor of this material may attract some wildlife and cause them to consume spilled material.

**Environmental Fate:** This material will biodegrade relatively rapidly in both soil and water, and will not persist in the environment. Due care should be taken to avoid accidental releases to aquatic or terrestrial systems.

**Bioaccumulation:** Because of this material's high solubility and rapid biodegradability, it is unlikely that bioaccumulation will occur in aquatic or terrestrial systems. Models estimate that this material will preferentially partition to water versus air or soil.

## 13. Disposal Considerations

Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

Note that this handling and disposal information may also apply to empty containers, liners and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste. See Section 9 - Physical and Chemical Properties.

## 14. Transport Information

Not Regulated by D.O.T.

## 15. Regulatory Information

### Environmental Regulations

**SARA 311:**

<b>Acute health:</b>	No	<b>Chronic health:</b>	No
<b>Fire:</b>	No	<b>Sudden release of pressure:</b>	No
<b>Reactive:</b>	No		

**SARA 313:** Title III of the 1986 Super fund Amendments and Reauthorization Act (SARA) and 40 CFR PART 372.  
none

All the chemicals used in this product are TSCA listed.  
Check with your local regulators to be sure all local regulations are met.

## 16. Other Information

**Hazard ratings** This information is intended solely for the use of individuals trained in the NFPA and/or HMIS systems.

**NFPA:** Health: 1 Flammability: 0 Reactivity: 0

**HMIS:** Health: 1 Flammability: 0 Reactivity: 0

RATING: 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT

**Note:**

For industrial use only. The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. Chemical Solvents Inc makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials. This material may be released from gas, liquid, or solid materials made directly or indirectly from it. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards. Possession of an MSDS does not indicate that the possessor of the MSDS was a purchaser or user of the subject product.