



# CHEMICAL SAFETY DATA SHEET

CSDS 517 Flush Kleen Acidic Toilet Bowl Cleaner

W.E.F. : 1 January, 2017

**CLEANTOOLS**

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 517 FLUSH KLEEN ACIDIC TOILET BOWL CLEANER

**COMPANY NAME:** CLEANTOOLS (S) PTE LTD  
**ADDRESS:** 5 KAKI BUKIT ROAD 2, #02-16 CITY WAREHOUSE,  
SINGAPORE 417839

**CONTACT:** TEL: 6744 4777 FAX: 6745 0261  
**EMAIL:** [SALES@CLEANTOOLS.COM](mailto:SALES@CLEANTOOLS.COM)  
**WEBSITE:** [WWW.CLEANTOOLS.COM](http://WWW.CLEANTOOLS.COM)

## 2. INFORMATION ON HAZARDOUS ACTIVE INGREDIENTS

MATERIAL	%	TLV (UNITS)	%WT/WT ( High >60, Medium 10-60, Low<10)
HYDROCHLORIC ACID	L		
PHOSPHORIC ACID	L		
OXALIC ACID	L		
ALKYLPHENOL	L		

## 3. HAZARD IDENTIFICATION

Emergency Overview:

When used according to instructions, the product applicable to this MSDS is safe and presents no immediate or long-term health hazard. However, abnormal entry routes, such as gross ingestion, may require immediate medical attention.

## 4. FIRST AID MEASURES

**Skin:** Remove contaminated clothes. Flush skin with water for at least 15 minutes.  
Get medical attention if irritation persists. Wash contaminated clothing before reuse.

**Eyes:** Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses. Get medical attention.

**Ingestion:** Do not induce vomiting. Drink one or two glasses of water to dilute product. Get medical attention.  
Do not give anything by mouth to an unconscious person.

**Inhalation:** In case of respiratory irritation or dizziness, move person to fresh air. Get medical attention if irritation persists.

Acute Effect Of Over-Exposure

**Skin:** May cause mild skin irritation with symptoms such as redness, pain and swelling.

**Eyes:** May cause mild eye irritation with symptoms such as pain, redness, swelling and tearing.

**Ingestion:** May be harmful if swallowed with symptoms such as nausea, vomiting, pain and diarrhea.

**Inhalation:** Inhalation of product mist may cause respiratory irritation.

## 5. FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** > 212°F

**Special Fire Fighting Procedures:** Wear NIOSH approved self-contained breathing apparatus and protective clothing.  
Cool fire-exposed containers with water spray.

**Extinguishing Media:** Product does not support combustion. Use extinguishing media appropriate for surrounding fire.  
Use extinguishing media appropriate for surrounding fire.

## 6. SPILLS AND DISPOSALS

Contact with reactive metals such as aluminium or magnesium may lead to generation of hydrogen gas in explosive amounts. During spillage, collect on absorbent material and dispose in non-hazardous waste and neutralize to pH 7-9 with vinegar or other mild acid before flushing the remaining small amount into sewage. Product is biodegradable. For waste disposal method, assure conformance with federal, state and local regulations.

## 7. HANDLING AND STORAGE

Store at normal room temperature away from reach of small children. Keep containers sealed. Use on FIFO basis.  
Store away from direct sunlight.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: None required under normal conditions.  
Ventilation: Use adequate ventilation equivalent to outdoors.  
Personal Protection: Wear neoprene gloves, neoprene apron, dust mask, safety boots, face shield or goggles and avoid breathing in vapours.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear Brown Liquid  
Scent: Acidic  
PH: 1  
Flash Point: None  
Specific Gravity: 1.12  
Solubility: Complete

## 10. STABILITY AND REACTIVITY

Stability: Stable  
Incompatibility: Avoid contamination with other cleaners.  
Conditions to avoid: Temperature above 120°F  
Hazardous decomposition products: Thermal decomposition may produce oxides of carbon.  
Hazardous polymerization: Will not occur

## 11. TOXICOLOGICAL INFORMATION

No acute or chronic toxic effects expected when used according to directions.

## 12. ECOLOGICAL CONSIDERATIONS

No ecological or special considerations when used according to directions. Not considered environmentally harmful from normal dilution, expected usage and typical drainage to sewers, setpic systems and treatment plants.

## 13. DISPOSAL CONSIDERATION

Dispose according to local regulations, no specific disposal methods required.  
Packaging can be recycled. Dispose according to local regulations.

## 14. TRANSPORT INFORMATION

Product should be transported and stored in original container, keep container dry and sealed.

## 15. REGULATORY INFORMATION

No specific information.

## 16. OTHER INFORMATION

The information provided in this Chemical Safety Data Sheet (CSDS) is believed to be correct as of the date issued. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness. We assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. The user is responsible for this product is suitable for a particular purpose and suitable for the user's method of application.