

1. Identification

Name of the product: **Cleaning Kit for Vacuum + Spec Tube** SDS CODE: AC Agilent 670029096
Product Identification Number: #670029096 Date prepared: May 18, 2015
Recommended use: Wiping vacuum tubes to clean them
Use not recommended: Body wipe.
Company: **Agilent Technologies LDA Malaysia Sdn Bhd (1075825-M)**
Bayan Lepas Free Industrial Zone Emergency Numbers: 1-800-771-0529
11900 Penang, Malaysia. CHEMTREC (Transportation): 1-800-424-9300
Phone: (603) 1-800-88-0805

2. Hazard(s) identification**Emergency Overview**

OSHA Hazards

Flammable liquid, Target Organ Effect, Irritant

Other hazards which do not result in classification are: May form explosive peroxides.

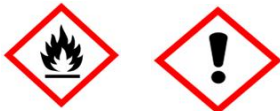
GHS Classification

Flammable liquids (Cat. 3) H226 Flammable liquid and vapor.

Chronic aquatic toxicity (Cat. 1) H410 Very toxic to aquatic life with long lasting effects.

GHS Label elements, including precautionary statements

Pictogram:

Signal word: **Warning****Hazard statements:**

H226 Flammable liquid and vapour.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261 Avoid breathing fume/ gas/ mist/spray.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

P303 + P361 + P353 IF ON IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. Composition / Information on ingredients

Chemical identity: Octamethyltrisiloxane 100%
Common name: Octamethyltrisiloxane
Numbers of identity: CAS 107-51-7 EC 203-497-4
Impurities: None of toxicological significance.

4. First-aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed: Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Rinse mouth with water. Consult a physician.

The most important known symptoms and effects are described in Section 2 and/or in section 11.

Indication of any immediate medical attention and special treatment needed: No data available

5. Firefighting measures**Suitable extinguishing equipment:**

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Emergency procedures:

Eliminate ignition source. Evacuate unnecessary personnel. Call appropriate fire fighting crew.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous decomposition products formed under fire conditions. - Carbon oxides, product vapors, silicon oxides.

Use water spray to cool unopened containers.

6. Accidental release measures

Use personal protective equipment. Avoid breathing, mist or vapors. Ensure adequate ventilation.

Remove all sources of ignition. Evacuate personnel to safe areas. Be aware of possible accumulating

vapors which could form explosive concentrations. Vapors can accumulate in low areas.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Contain spillage, and then absorb with industrial absorbent, or collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

See also Sec. 13.

7. Handling and storage**Precautions for safe handling:**

Avoid contact with skin and eyes. Avoid inhalation of vapors or mist.

Use explosion-proof equipment. Keep away from sources of ignition - No smoking.

Prevent the build up of electrostatic charge.

Conditions for safe storage:

Keep container tightly closed in a dry and well-ventilated place.

Containers which have been opened must be resealed and kept upright to prevent leakage.

8. Exposure controls / personal protection**Information on the system design:**

Product is intended for external use only. Stay up wind, out of any spray developed.

Exposure Limits: Reference 29CFR 1910.1000 Table Z-1

Component Name, CAS#

Octamethyltrisiloxane CAS 107-51-7 TWA 200 ppm (Dow Corning)

Contains no substances with occupational exposure limit values. NE= Not Established

Personal protective equipment :

Respiratory protection: Where appropriate use a full-face supplied air respirator.

Hand protection: Rubber gloves.

Eye protection: Safety glasses with side-shields.

Skin and body protection: Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely; flame retardant and antistatic properties are recommended.

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

Wash hands and face before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance:	Clear, colorless liquid	
Odor:	No data available	
Odor threshold:	No data available	
pH-value:	No data available	
Melting point/freezing	-82 °C (-116 °F)	
Initial boiling point:	153 °C (307 °F)	
Flash point:	29 °C (84 °F) - closed cup	
Evaporation rate:	No data available	
Flammability (solid, gas):	Not applicable	
Explosion limits:	No data available	
Vapor pressure:	5.3 hPa (4.0 mmHg) at 25 °C (77 °F)	
Vapor density:	8.17 - (Air = 1.0)	
Relative density (water=1.00):	0.82 g/cm ³ at 25 °C (77 °F)	Auto-ignition temperature: Not available
Solubility:	Insoluble in water.	Decomposition temperature: Not available
Partition coefficient: Log Kow =	6.6 at 25 °C (77 °F)	Viscosity: Like water

10. Stability and reactivity

Chemical stability: No decomposition, if used according to specifications.
 Possibility of hazardous reactions: May form explosive mixture with air.
 Conditions to avoid: Heat, flames and sparks. Extremes of temperature and direct sunlight.
 Materials to avoid: Oxidizing agents
 Hazardous decomposition products in fire: Carbon oxides, product vapors, silicon oxides.

11. Toxicological information

Octamethyltrisiloxane CAS 107-51-7

Routes of Entry: Absorbed through skin. Eye contact. Inhalation.

Oral Toxicity LD 50 (rat): > 2,000 mg/kg
 Dermal Toxicity LD 50 (rat) > 2,000 mg/kg
 Inhalation Toxicity, Vapor, LC50 No data.
 Eye Irritation (Rabbit) No data.
 Dermal Irritation (Rabbit) No irritation (rbt) or sensitization (gpg)

Chronic Effects on Humans:

No component =>0.1% listed by NTP, IARC, OSHA or ACGIH as a suspect or potential carcinogen.
 California Prop. 65 chemicals: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Contains material which may cause damage to the following organs: kidneys, liver, CNS,

Signs and Symptoms of Exposure:

Stomach - Irregularities - Based on Human Evidence

12. Ecological information

Information for: Octamethyltrisiloxane CAS 107-51-7

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - > 0.0194 mg/l - 96 h
 Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - > 0.020 mg/l - 48 h
 Persistence and degradability: (OECD Test Guideline 310) Result: 0 % - Not biodegradable
 No additional information is available.
 Other adverse effects: No data available.

13. Disposal considerations

Burn in a chemical incinerator equipped with an afterburner and scrubber.
 Dispose in accordance with local, state and federal regulations.

14. Transport information**DOT (US)**

UN number: 1993

Class: 3

Packing group: III

Proper shipping name: Flammable liquids, n.o.s. (Octamethyltrisiloxane) Reportable Quantity (RQ): None

Poison Inhalation Hazard: No

The description shown may not apply to all shipping situations. Consult 49CFR, OSHA or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name, labeling) and mode-specific or quantity-specific shipping requirements,

15. Regulatory information

SARA 302 Components: None

SARA 313 Components: None

SARA 311/312 Hazardous Categorization

Acute Health Hazard No

Chronic Health Hazard No

Fire Hazard Yes

Sudden Release of Pressure Hazard No

Reactive Hazard No

State Right To Know Components:

Octamethyltrisiloxane CAS 107-51-7 RTK: PA, NJ

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other information

SDS Preparation date: April 13, 2015

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8, OSHA 29 CFR 1910.1200 and SARA 302/311/312/313.
Immediate	No	Yes	No	No	
Delayed	Yes	No	XXX	XXX	

HMIS Hazard ratings: Health 0 Fire 3 Instability 0 Other B (Goggles, gloves)

Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4

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Note: The information in this SDS was obtained from current reputable and competent sources.

However, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA).