



## SAFETY DATA SHEET

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

\*\*\*\*\*

---

---

### Section 1 - Product & Company Identification

---

---

#### Product identifier

Product name: CAV TKS FLUID DTD406b

Product form: Liquid

Other means of identification: SS08039

Relevant identified uses: Laboratory chemicals, manufacture of substances.

#### Details of the supplier of the safety data sheet

Eaton Chemical, Inc.

4124 NW Riverside Street Riverside, MO 64150

Phone: (816) 741-7985

Fax: (816) 741-0405

Email: [custserv@eatonchemical.com](mailto:custserv@eatonchemical.com)

#### Emergency telephone number

Emergency number: CHEMTREC: 1-800-424-9300

---

---

### Section 2 – Hazards Identification

---

---

#### Classification

Acute toxicity, Oral (Category 4)

Serious eye damage/irritation (Category 2B)

Specific target organ toxicity-repeated exposure, Oral (Category 2), Kidney

Pictogram:



Signal Word:

**Warning**

#### Hazard Statements

Harmful if swallowed.

Causes eye irritation

May cause damage to organs (Kidney) through prolonged or repeated exposure if swallowed.

Combustible Liquid

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid breathing mist/vapors/spray.  
 Do not eat, drink or smoke when using this product.  
 Keep away from flames and hot surfaces-no smoking.

**Precautionary Statements - Response**

IF SWALLOWED: Call a POISON CENTER if you feel unwell. Rinse mouth.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.  
 Get medical advice/attention if you feel unwell.  
 In case of fire: Consider carbon dioxide, dry chemical, dry sand or alcohol resistant foam to extinguish.

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container closed when not in use.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

---



---

**Section 3 –Composition/Information on ingredients**


---



---

Name	CAS NO.	%
Ethylene glycol	107-21-1	85
Ethyl alcohol	64-17-5	5

Any concentration shown as a range is to protect confidentiality or is due to process variation.

---



---

**Section 4 – First Aid Measures**


---



---

**First Aid Measures**

**Inhalation:** Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

**Ingestion:** Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin Contact:** Remove contaminated clothing, wash with plenty of water. If skin irritation persists, call a physician.

**Most Important Symptoms and Effects, both Acute and Delayed Symptoms**

Harmful if swallowed.

May cause damage to kidneys if swallowed.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians:** Treat symptomatically.

---

---

### Section 5 – Fire Fighting Measures

---

---

**Suitable Extinguishing Media** Alcohol resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media:** High volume water jet. May spread fire.

**Specific Hazards Arising from the Chemical** Carbon oxides

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH approved and full protective gear.

---

---

### Section 6 –Accidental Release Measures

---

---

#### Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions** Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe area.

**Methods for Containment:** Prevent further leakage or spillage if safe to do so. Contain spillage.

**Methods for Cleaning Up:** Absorb with an inert dry material and place in an appropriate waste disposal container. Keep in suitable, closed containers for disposal.

---

---

### Section 7 – Handling & Storage

---

---

#### Precautions for Safe Handling

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

#### Conditions for Safe Storage, Including any Incompatibilities

**Storage Conditions:** Store in a well-ventilated place. Keep containers tightly closed. Store in temperatures between -40C/F and 60C (150F).

---

---

### Section 8 – Exposure Controls/ Personal Protection

---

---

#### Exposure Guidelines:

Chemical Name	CAS #	ACGIH TLV	OSHA PEL	NIOSH TWA	US WEEL
Ethylene glycol	107-21-1	100 mg/m <sup>3</sup>	No data available	No data available	TWA: 10 mg/m <sup>3</sup>
Ethyl alcohol	64-17-5	TWA: 1000 ppm	TWA:1000 ppm	No data available	

**Engineering Controls:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Respiratory Protection:** Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Eye Protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or

dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

**Hand Protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Skin Protection:** Prevent contact with shoes and clothing; use rubber apron and overshoes.

**Other Protective Equipment:** Eye wash stations and emergency showers should be available.

The type and degree of personal protective equipment appropriate will depend on the specific work operation. Inspect and replace personal protective equipment at regular intervals; use professional care in their selection, use and care.

---

---

## Section 9 – Physical & Chemical Properties

---

---

### Information on Basic Physical and Chemical Properties

Property	Values
Physical State	Liquid
Color	Clear/colorless
pH	No data available
Melting Point/Freezing Point	<-40° C (<-40° F)
Boiling Point/Boiling Range	196-198 ° C (385-388 ° F)
Flash Point	70° C (158° F) [closed cup]
Evaporation Rate	No data available
Flammability (Solid, Gas)	n/a-liquid
Upper Flammable Limits	19% (V)
Lower Flammable Limits	3.3% (V)
Vapor Pressure	No data available
Vapor Density	2.14
Specific Gravity	1.095
Water Solubility	Complete
Solubility in Other Solvents	No data available
Autoignition Temperature	363° C (685° F)
Decomposition Temperature	No data available
Kinematic Viscosity	No data available
Dynamic Viscosity	43.4 mPa.s at 25 ° C (77 ° F)
Explosive Properties	Not an Explosive
Oxidizing Properties	Not an oxidizer.
Odor	Mild alcohol
Odor Threshold	No data available

---

---

## Section 10 – Stability & Reactivity

---

---

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

Reacts with strong oxidizing agents.

### Conditions to Avoid

No data available.

**Incompatible Materials**

Strong oxidizing agents, strong acids, strong bases.

**Hazardous Decomposition Products**

Carbon dioxide, carbon monoxide.

---

---

**Section 11 - Toxicological information**

---

---

**Information on Likely Routes of Exposure**

**Product Information**

Inhalation: No known significant effects.

Eye Contact: No known significant effects.

Skin Contact: No known significant effects.

Ingestion: No known significant effects.

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene glycol	107-21-1	4700 mg/kg (Rat)	10626 mg/kg (Rabbit)	No data available
Ethyl alcohol	64-17-5	7060 mg/kg (Rat)	No data available	No data available

Chemical Name	Ethylene glycol	Ethyl alcohol
Skin corrosion/irritation	nonirritating	irritation
Serious eye damage/irritation	Mild irritation	eye irritation
Respiratory or skin sensitization	Not classified	Not expected to be a sensitizer
Mutagenicity	Not classified	No data available
Carcinogenicity	Not classified as a human carcinogen.	Not classified as a human carcinogen.
Reproductive toxicity	Overexposure may cause disorder	Developmental toxin when consumed during pregnancy.
Specific target organ toxicity- Single exposure	Not classified	May cause drowsiness or dizziness
Specific target organ toxicity- repeated exposure	Oral, May cause damage to kidneys.	Not classified
Aspiration hazard	Not classified	Not classified

---

---

**Section 12 - Ecological information**

---

---

There is no data available for this product as a whole.

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
---------------	-------	-------------------------	------	-----------------------

Ethylene glycol	107-21-1	No data available	LC50 Oncorhynchus mykiss (rainbow trout) 18500 mg/l 96 h	EC50 - Daphnia magna (Water flea) - 74,000 mg/l - 24 h
Ethyl alcohol	64-17-5	No data available.	LC50(Pimephales promelas, 96 h): 14.2 mg/l	EC50(Daphnia magna, 48 h): 9268 mg/l

**Persistence and Degradability:** No data available

**Bioaccumulation:** No data available

**Mobility:** No data available

---

### Section 13 - Disposal considerations

---

**WASTE DISPOSAL METHOD**

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

---

### Section 14 - Transport information

---

**DOT Proper Shipping Description:**

NON-BULK: Not regulated.

BULK (>5000 LB RQ): UN3082, Environmentally hazardous substance, liquid, N.O.S. (Ethylene glycol), 9, PGIII

---

### Section 15 - Regulatory information

---

**SARA Title III Section 311/312 (40CFR370):** Acute, chronic health hazard.

**SARA Title III Section 313 (40CFR372):** This product contains a toxic chemical subject to the reporting requirements of section 313 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372

Chemical	CAS #	Weight %	SARA 313 Threshold Values %
Ethylene glycol	107-21-1	<= 100	1.0


**RCRA Status(40CFR261.33):** Not listed

**TSCA Inventory Status:** Included

**OSHA/NTP/IARC Carcinogen Status:** Not listed

**Canadian DSL Status:** listed

**Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:**

 **WARNING:** This product can expose you to chemicals including Ethylene glycol which is known to the State of California to cause cancer and reproductive harm. For more information go to, [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethylene glycol	X	X	X
Ethyl alcohol	X	X	X

---

---

**Section 16 - Other information**

---

---

**HMIS ratings:** Health: 1 Flammability: 1 Reactivity: 0  
Indication of changes: Revision - Original.  
Date Sheet Prepared: 08/09/2023  
Other information: Author – EHS Administrator

\*\*\*\*\*

The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

**END OF SDS**