

## SAFETY DATA SHEET

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Revision Number 4

### 1. Identification

**Product Name** Ethanol 200 Proof USP EP ACS

**Cat No. :** A409-4,A409-20

**CAS-No** 64-17-5  
**Synonyms** Ethyl alcohol; Absolute ethanol

**Recommended Use** Laboratory chemicals.  
**Uses advised against** Not for food, dr

**Precautionary Statements**

**Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Wear eye/face protection  
Do not breathe dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof electrical/ventilating/lighting/equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Keep cool

**Response**

IF exposed or concerned: Get medical attention/advice

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest i

**Notes to Physician**

Treat symptomatically

**5. Fire-fighting measures**

**Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, carbon dioxide, dry chemical



<b>Stability</b>	Hygroscopic.
<b>Conditions to Avoid</b>	Incompatible products. Heat, flames and sparks. Keep away from open flames, hot surfaces and sources of ignition.
<b>Incompatible Materials</b>	Strong oxidizing agents, Strong acids, Acid anhydrides, Acid chlorides
<b>Hazardous Decomposition Products</b>	Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> )
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
<b>Hazardous Reactions</b>	None under normal processing.

## 11. Toxicological information

### Acute Toxicity

#### Product Information

#### Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethyl alcohol	3450 mg/kg ( Mouse )	Not listed	20000 ppm/10H ( Rat )
<b>Toxicologically Synergistic Products</b>	No information available		

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Irritation</b>	Irritating to eyes
<b>Sensitization</b>	No information available
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Ethyl alcohol	64-17-5	Group 1	Known	A3	X	Not listed
<i>IARC: (International Agency for Research on Cancer)</i>			<i>IARC: (International Agency for Research on Cancer)</i>			
			<i>Group 1 - Carcinogenic to Humans</i>			
			<i>Group 2A - Probably Carcinogenic to Humans</i>			
			<i>Group 2B - Possibly Carcinogenic to Humans</i>			
<i>NTP: (National Toxicity Program)</i>			<i>NTP: (National Toxicity Program)</i>			
			<i>Known - Known Carcinogen</i>			
			<i>Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen</i>			

**Aspiration hazard** No information available

**Symptoms / effects,both acute and delayed** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**Endocrine Disruptor Information** No information available

**Other Adverse Effects** The toxicological properties have not been fully investigated.

## 12. Ecological information

### Ecotoxicity

Do not empty into drai

All of the components in the product are on the following Inventory lists: X = listed

**International Inventories**

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Ethyl alcohol	X	X	-	200-578-6	-		X	X	X	X	X

**Legend:**

X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

**Mexico - Grade**

Serious risk, Grade 3

## 16. Other information

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