

# SAFETY DATA SHEET

Issuing Date 24-Mar-2020

Revision Date 13-JULY 2020

Revision Number 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** GOOP HYDRO ALCOHOL GEL HAND SANITIZER

### Other means of identification

**Synonyms** 20016/10008/10064/20008/10128

### Recommended use of the chemical and restrictions on use

**Recommended Use** Alcohol Antiseptic Topical Solution / Hand Sanitizer

**Restrictions on Use** This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use.

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

**Supplier Name** CRITZAS INDUSTRIES, INC.

**Supplier Address** 4041 PARK AVENUE  
ST. LOUIS  
MO  
63110  
US

**Supplier Phone Number** Phone:314-7738510  
Fax:314-773-4837  
Contact Phone314-773-8510

**Supplier Email** critzasind@aol.com

### Emergency telephone number


## 2. HAZARDS IDENTIFICATION

### Classification

Flammable Liquids	Category 3
Serious Eye Damage / Eye irritation	Category 2A

### GHS Label elements, including precautionary statements

#### Emergency Overview

Signal word	Warning
<b>Hazard Statements</b> H226 Flammable Liquid and vapour H319 Causes serious eye irritation	
	

### **Precautionary statements**

#### Prevention:

P210 Keep away from heat/spark/open flame/hot surfaces

No smoking

P233 Keep container tightly closed

P241 Use explosion-proof electrical/ventilation/lighting/equipment

P232 Use only non-sparking tools

P243 Take precautionary measures against static discharge

P280 Wear protective gloves/protective clothing/eye protection/face protection

#### **Response:**

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

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention

#### **Storage:**

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

#### **Disposal:**

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

#### **Other hazards which do not result in classification:**

Vapors may form from explosive mixture with air

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Ethanol	64-17-5	>=60 - <=100	*
Propan-2-ol	67-63-0	<10	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

#### First aid measures

<b>General Advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Seek immediate medical attention/advice.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
<b>Inhalation</b>	Remove to fresh air. Get medical attention immediately if symptoms occur.
<b>Ingestion</b>	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
<b>Self-protection of the first aider</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

#### Most important symptoms and effects, both acute and delayed

<b>Most Important Symptoms and Effects</b>	Causes serious eye irritation
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#### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	May cause sensitization of susceptible persons. Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### **Suitable Extinguishing Media**

Water spray  
Alcohol-resistant foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)

### **Unsuitable extinguishing media**

High volume water jet

### **Specific hazards arising from the chemical**

Do not use a solid water stream as it may scatter and spread fire  
Flash back possible over considerable distance  
Vapours may form explosive mixture with air  
Exposure to combustion products may be a hazard to health

**Hazchem Code: 3Y**

### **Hazardous Combustion Products**

Carbon oxides.

**Specific extinguishing methods** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

### **Protective equipment and precautions for firefighters**

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Remove all sources of ignition  
Use personal protective equipment  
Follow safe handling advice and personal protective equipment recommendations

**Other Information** Refer to protective measures listed in Sections 7 and 8.

### Environmental precautions

**Environmental precautions** Discharge into environment must be avoided.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.  
Prevent spreading over a wide area  
Retain and dispose of contaminated wash water  
Local authorities should be advised if significant spillages cannot be contained

**Methods for cleaning up** Non-Spark tools should be used  
Soak up with inert absorbent material.  
Suppress (Knock down) gases/vapours/ mists with a water spray jet  
For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining material from spill with suitable absorbent.  
Local or national regulations may apply to releases a disposal of this material, as well as those materials from spill with suitable absorbent. You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements

## 7. HANDLING AND STORAGE

### HANDLING AND STORAGE

Technical measures: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation: Use with local exhaust ventilation.  
Use only in an area equipped with explosion proof exhaust ventilation.

Advice on safe handling: Avoid inhalation of vapour or mist. Do not swallow.  
Do not get in eyes.  
Avoid prolonged or repeated contact with skin.  
Handle in accordance with good industrial hygiene and safety practice.  
Non-sparking tools should be used. Keep container tightly closed.  
Keep away from heat and sources of ignition.  
Take precautionary measures against static discharges.  
Take care to prevent spills, waste and minimize release to the environment.

Hygiene measures: Ensure that eye flushing systems and safety showers are located close to the working place.  
When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

Conditions for safe storage: Keep in properly labelled containers.  
Keep tightly closed.  
Keep in a cool, well-ventilated place.  
Store in accordance with the particular national regulations.

Keep away from heat and sources of ignition.

Materials to avoid: Do not store with the following product types: Self-reactive substances and mixtures Organic peroxides  
Oxidizing agents  
Flammable gases  
Pyrophoric liquids  
Pyrophoric solids  
Self-heating substances and mixtures  
Poisonous gases  
Explosives

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Exposure Guidelines

Chemical Name	ACGIH TLV	Basis
Ethanol 64-17-5	TWA: 1000 ppm 1880 mg/m3 STEL: 1000 ppm	AU OEL ACGIH
Propan-2-ol 67-63-0	TWA: 400ppm 983 mg/m3 STEL: 500 ppm 1230 mg/m3 TWA: 200 ppm STEL: 400 ppm	AU OEL AU OEL ACGIH ACGIH

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value

Chemical Name	Control Parameters	Biological Specimen	Sampling Time	Permissible Concentration	Basis
Propan-2-ol 67-63-0	Acetone	Urine	End of shift at end of work day	40 mg/l	ACGIH BEI

**Engineering Measures** Minimize workplace exposure concentrations  
Use only in an area equipped with explosion proof exhaust ventilation  
Use with local exhaust ventilation

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles.

**Respiratory protection** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within exposure guidelines.

**Hygiene Measures**

Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

<b>Physical state</b>	Gel	<b>Odor</b>	Alcohol like
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks</u></b>	<b><u>Method</u></b>
<b>pH</b>	6.5 – 8.5	None known	
<b>Melting / freezing point</b>	No data available	None known	
<b>Boiling point / boiling range</b>	No data available	None known	
<b>Flash Point</b>	23.7	None known	
<b>Evaporation Rate</b>	No data available	None known	
<b>Flammability (solid, gas)</b>	No data available	None known	
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit</b>	No data available		
<b>Lower flammability limit</b>	No data available		
<b>Vapor pressure</b>	No data available	None known	
<b>Vapor density</b>	No data available	None known	
<b>Specific Gravity</b>	0.789 g/cm <sup>3</sup>	None known	
<b>Water Solubility</b>	Soluble in water	None known	
<b>Solubility in other solvents</b>	No data available	None known	
<b>Partition coefficient: n-octanol/water</b>	No data available	None known	
<b>Autoignition temperature</b>	No data available	None known	
<b>Decomposition temperature</b>	No data available	None known	
<b>Kinematic viscosity</b>	No data available	None known	
<b>Dynamic viscosity</b>	No data available	None known	
<b>Explosive properties</b>	No data available		
<b>Oxidizing properties</b>	No data available		

**Other Information**

<b>Softening Point</b>	No data available
<b>VOC Content (%)</b>	No data available
<b>Particle Size</b>	No data available
<b>Particle Size Distribution</b>	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not classified as a reactive hazard

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

Flammable liquid and vapour

Vapours may form explosive mixture with air

Can react with strong oxidizing agents

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

Heat, flames and sparks.

### Incompatible materials

Strong oxidizing agents.

### Hazardous Decomposition Products

None known

## 11. TOXICOLOGICAL INFORMATION

Exposure routes : Inhalation Skin contact Ingestion Eye contact

### **Acute toxicity**

Not classified based on available information.

### **Components: Ethanol:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 124.7 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

### **Propan-2-ol:**

Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg  
Acute inhalation toxicity: LC50 (Rat): 72.6 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Acute dermal toxicity: LD50 (Rat): > 5,000 mg/kg

### **Skin corrosion/irritation**

Not classified based on available information.

### **Product:**

Result: No skin irritation

### **Components: Ethanol:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation

### **Propan-2-ol:**

Species: Rabbit



Result: No skin irritation

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Components: Ethanol:**

Species: Rabbit

Result: Irritation to eyes, reversing within 21 days

Method: OECD Test Guideline 405

**Propan-2-ol:**

Species: Rabbit

Result: Irritation to eyes, reversing within 21 days

**Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information.

**Product:**

Assessment: Does not cause skin sensitisation.

**Components: Ethanol:**

Test Type: Local lymph node assay (LLNA)

Exposure routes: Skin contact

Species: Mouse

Result: negative

**Propan-2-ol:**

Test Type: Buehler Test Exposure routes: Skin contact Species: Guinea pig

Method: OECD Test Guideline 406

Result: negative

**Chronic toxicity**

**Germ cell mutagenicity**

Not classified based on available information.

**Components: Ethanol:**

Genotoxicity in vitro: Test Type: In vitro mammalian cell gene mutation test  
Result: negative

Genotoxicity in vivo: Test Type: Rodent dominant lethal test (germ cell) (in vivo)  
Species: Mouse  
Application Route: Ingestion  
Result: negative

**Propan-2-ol:**

Genotoxicity in vitro: Test Type: Bacterial reverse mutation assay (AMES) Result: negative

Genotoxicity in vivo: Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)  
Species: Mouse  
Application Route: Intraperitoneal injection  
Result: negative

**Carcinogenicity**

Not classified based on available information.

**Components:**

**Propan-2-ol:**

Species: Rat

Application Route: inhalation (vapour) Exposure time: 104 weeks

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Method: OECD Test Guideline 451  
Result: negative

**Reproductive toxicity**

Not classified based on available information.

**Components: Ethanol:**

Effects on fertility: Test Type: Two-generation reproduction toxicity study

**Propan-2-ol:**

Effects on fertility: Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Result: negative

**Effects on foetal development:** Test Type: Embryo-foetal development  
Species: Rat  
Application Route: Ingestion  
Result: negative

**STOT - single exposure**

Not classified based on available information.

**Components:**

**Propan-2-ol:**

Assessment: May cause drowsiness or dizziness.

**STOT - repeated exposure**

Not classified based on available information.

**Repeated dose toxicity**

Components: Ethanol:  
Species: Rat  
NOAEL: 2,400 mg/kg Application Route: Ingestion Exposure time: 2 y

**Propan-2-ol:**

Species: Rat NOAEL: 5000 ppm  
Application Route: inhalation (vapour) Exposure time: 104 w  
Method: OECD Test Guideline 413

**Aspiration toxicity**

Not classified based on available information.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components: Ethanol:

##### Toxicity to fish:

LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l  
Exposure time: 96 h

##### Toxicity to daphnia and other aquatic invertebrates:

EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 48 h

##### Toxicity to algae:

EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

##### Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):

NOEC (Daphnia magna (Water flea)): 9.6 mg/l  
Exposure time: 9 d

##### Toxicity to bacteria:

EC50 (Photobacterium phosphoreum): 32.1 mg/l  
Exposure time: 0.25 h

#### Propan-2-ol:

##### Toxicity to fish:

LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l  
Exposure time: 96 h

##### Toxicity to daphnia and other aquatic invertebrates:

EC50 (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 24 h

##### Toxicity to algae:

ErC50 (Scenedesmus quadricauda (Green algae)): > 1,800 mg/l  
Exposure time: 8 d

##### Toxicity to bacteria:

EC50 (Pseudomonas putida): > 1,050 mg/l  
Exposure time: 16 h

### Persistence and degradability

#### Product:

Biodegradability: Result: Readily biodegradable

#### Components:

##### Ethanol:

Biodegradability : Result: Readily biodegradable  
Biodegradation: 84 % Exposure time: 20 d

**Propan-2-ol:**

Biodegradability : Result: rapidly degradable

**Bioaccumulative potential**

**Components:**

**Ethanol:**

Partition coefficient: n-  
octanol/water: log Pow: -0.35

**Propan-2-ol:**

Partition coefficient: n- octanol/water: log Pow: 0.05

**Mobility in soil**

No data available

**Other adverse effects**

No data available

### 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

Waste from residues:

Dispose of in accordance with local regulations.

Contaminated packaging:

Dispose of as unused product.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Do not burn, or use a cutting torch on, the empty drum.

### 14. TRANSPORT INFORMATION

**International Regulation**

**UNRTDG**

UN number : UN 1987

Proper shipping name : ALCOHOLS, N.O.S. (Ethanol, Propan-2-ol)

Class : 3

Packing group : III

Labels : 3

**IATA-DGR**

UN/ID No. : UN 1987

Proper shipping name : Alcohols, n.o.s.  
(Ethanol,Propan-2-ol)

Class	:	3
Packing group	:	III
Labels	:	Flammable Liquids

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

Standard for the Uniform Scheduling of Medicines and Poisons:  
No poison schedule number allocated

Prohibition/Licensing Requirements:

There is no applicable prohibition or notification/licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.

### The components of this product are reported in the following inventories:

REACH:

All ingredients (pre-)registered or exempt.

TSCA:

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

DSL:

All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

AICS: All ingredients listed or exempt.

### Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), NECSI (Taiwan), TSCA (USA)

## 16. OTHER INFORMATION

Further information

Sources of key data used to compile the Safety Data Sheet:

Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Date format : dd.mm.yyyy

Full text of other abbreviations

ACGIH: USA. ACGIH Threshold Limit Values (TLV)  
ACGIH BEI: ACGIH - Biological Exposure Indices (BEI)  
AU OEL: Australia. Workplace Exposure Standards for Airborne Contaminants.  
ACGIH / TWA: 8-hour, time-weighted average  
ACGIH / STEL: Short-term exposure limit  
AU OEL / TWA: Exposure standard - time weighted average  
AU OEL / STEL: Exposure standard - short term exposure limit

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<b>Revision Note</b>	No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**