

## 1. identification

a. Product Name	ASCO® 96
b. Recommendation & Limit of the product	
Recommendation of the product	Not available
Limit the use	Not available
c. Supplier Information	
Company Name	GODO CHEMICAL Corporation
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## 2. hazard identification

- a. Classification of the substance or mixture
- Metal corrosive substance 1 category
  - Acute oral toxicity 4 category
  - Skin corrosive/skin irritation 2 category
  - Serious eye damage/eye irritation 1 category
  - Skin sensitization 1 category

- b. GHS Label elements, including precautionary statements

Pictograms



Signal word            Danger

Hazard statements    H290 May be corrosive to metals  
                               H302 Harmful if swallowed  
                               H315 Causes skin irritation  
                               H317 May cause an allergic skin reaction  
                               H318 Causes serious eye damage

Precautionary statements

Prevention            P234 Keep only in the original container  
                               P261 Avoid inhalation(dust, fumes, gas, mist, vapor, spray)  
                               P264 Wash thoroughly after handling the treated area  
                               P270 Do not eat, drink or smoke when using this product  
                               P272 Clothing should not be allowed out of the workplace pollution  
                               P280 Wear protective gloves/protective clothing/eye protection/face  
                               protection

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Corresponding	<p>P301+P312 If feel discomfort when swallowing, seek examination of the medical institutions</p> <p>P302+P352 If on skin, wash with plenty of soap and water</p> <p>P305+P351+P338 If in eyes, wash cautiously with water for several minutes</p> <p>P310 Seek medical attention immediately</p> <p>P321 Go for treatment</p> <p>P330 Rinse mouth</p> <p>P332+P313 If skin irritation occurs, obtain medical attention</p> <p>P333+P313 If skin irritation or rash occurs, seek medical attention</p> <p>P362+P364 Take off contaminated clothing and wash before reuse</p> <p>P363 Take off contaminated clothing and wash before</p> <p>P390 Absorb spill material in order to prevent damage.</p>
Storage	P406 As metal corrosive substances, store in corrosion-resistant container(Set by manufacturer or administrative offices)
Disposal	P501 (In accordance with the laws and regulation) Dispose of the contents of the container

## c. Other hazards which do not result in classification

Health	3
Flammability	1
Reactivity	0

## 3. composition/information on ingredients

a. Name	Alkyl(C10-13) benzene Sulfonic Acid
b. Synonym	BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS
c. CAS #	85536-14-7
d. % by Weight	>96%

#### 4. first aid measures

- a. Eye contact      Immediately hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Center or a doctor, or for at least 15 minutes
- b. Skin contact      Immediately flush body and clothes with large amounts of water, using safety shower if available. Quickly remove all contaminated clothing, including footwear. Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Center. Transport to hospital, or doctor
- c. Inhalation      If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor, without delay.
- d. Ingestion      For advice, contact a Poisons Information Center or a doctor at once

#### 5. fire fighting measures

- |  |   |
|--|---|
| a. Flammability of the Product                         | May be combustible at high temperature  |
| b. Auto-Ignition Temperature                           | Not available.  |
| c. Flash Points  | Not available.  |
| d. Flammable Limits                                    | Not available.  |
| e. Products of Combustion                              | These products are carbon oxides (CO, CO <sub>2</sub> ), sulfur oxides (SO <sub>2</sub> , SO <sub>3</sub> ...).                             |
| f. Fire Hazards in Presence of Various Substances      | Slightly flammable to flammable in presence of heat.  |
| g. Explosion Hazards in Presence of Various Substances | Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks |
| h. Fire Fighting Media and Instructions                | SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet   |
| i. Special Remarks on Fire Hazards                     | When heated to decomposition it emits toxic fumes of sulfur oxides, and sodium oxide  |
| j. Special Remarks on Explosion Hazards                | Not available.  |



## 6. additional release measures

a. Small Spill	Remove all ignition sources. Clean up all spills immediately. Avoid contact with skin and eyes. Control personal contact by using protective equipment. Use dry clean up procedures and avoid generating dust. Place in a suitable labelled container for waste disposal.
b. Large Spill	Clear area of personnel and move upwind. Alert Emergency Responders and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. Consider evacuation. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite. Collect recoverable product into labeled containers for recycling. Neutralize/decontaminate residue. Collect solid residues and seal in labeled drums for disposal. Wash area and prevent runoff into drains. After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using. If contamination of drains or waterways occurs, advise emergency services

## 7. handling and storage

a. Precautions for safe handling	<p>Use material after mixing enough and check pH value if stored for over 3 months or at high temperature condition Use material after melting evenly, in case material is frozen in winter.</p> <p>Do not open drums when melting material.</p> <p>When melting material, proceed within 48 hours at no higher than 50 derees.</p> <p>Avoid direct contact of a heater with drums or materials when melting material.</p>
b. Conditions for safe storage (including incompatibilities)	<p>Store and handle in accordance with all current regulations.</p> <p>Store in cool place. Keep containers dry and well-ventilated place.</p> <p>Minimize temperature change. Optical storage temperature is 15 ~ 30°C.</p> <p>Keep material separated from incompatible substances.</p>

## 8. exposure controls/personal protection

a. Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
b. Personal Protection	Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves



- c. Personal Protection in Case of a Large Spill Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid halation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product
- d. Exposure Limits Not available

## 9. physical and chemical properties

1. Appearance	High viscous liquid
2. Color	Dark brown
3. Odor	Not available
4. pH	Not available
5. Melting point	-10°C
6. Boiling point	Not available
7. Flash point	Not available
8. Evaporation Rate	Not available
9. Flammable	Not available
10. Upper Explosive Limit	Not available
11. Vapour Pressure (mmHG)	Not available
12. Solubility in water (g/L)	Not available
13. Relative Vapor Density (air=1)	Not available
14. Specific Gravity (water=1)	1.06(20°C)
15. Water partition coefficient	Not available
16. Auto-ignition temperature	Not available
17. Decomposition Temp	Not available
18. Viscosity	Not available
19. Molecular Weight	322

## 10. stability and reactivity

a. Stability	The product is stable
b. Instability Temperature	Not available
c. Conditions of Instability	Excess heat, dust generation, incompatible materials
d. Incompatibility with various substances	Reactive with oxidizing agents
e. Corrosivity	Non-corrosive in presence of glass
f. Special Remarks on Reactivity	Not available
g. Special Remarks on Corrosivity	Not available
h. Polymerization	Will not occur

## 11. toxicological information

a. Routes of Entry	Not available
b. Toxicity to Animals	Oral (rat) LD50: 1219 mg/kg
c. Chronic Effects on Humans	Not available
d. Other Toxic Effects on Humans	Not available
e. Special Remarks on Toxicity to Animals	Not available
f. Special Remarks on Chronic Effects on Humans	Not available
g. Special Remarks on other Toxic Effects on Humans	Skin corrosion or skin irritation: High irritant Serious eye damage or irritation: High irritant

## 12. ecological information

a. Ecotoxicity	Cyprinus carpio LC50 (96hr) (mg/l): 5.6 Scenedesmus subspicatus EC50(72hr) (mg/l): 14
b. BOD5 and COD	Not available
c. Products of Biodegradation	94 (%) 28 day
d. Toxicity of the Products of Biodegradation	Not available
e. Special Remarks on the Products of Biodegradation	log Kow 2 BCF 3.162

## 13. disposal considerations

a. Waste Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations
b. Disposal Considerations	Dispose of contents in accordance with applicable laws

## 14. transport information

a. UN number	2586
b. Shipping Name	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid)
c. Dangerous goods class	8
d. Packing group	III
e. Marine pollutant	Not available
f. Special safety measures	
In case of fire emergency	F-A
In case of spill emergency	S-B

**15. regulatory information**

a. Federal and State Regulations	Not available
b. Other Regulations	Not available
c. Other Classifications	Not available

**16. other information**

a. References	Not available
b. Other Special Considerations	Not available
c. Created	2012-12-08
d. Last Updated	2018-12-06

Our data and the MSDS is written, provided by the Korea Occupational Safety and Health Agency with reference to the MSDS edit, modify some data.

# LABSA



GODO CHEMICAL

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