


1. identification

a. Product Name	ASCO® 24-2/70
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
Adress	#1017, 10F Suseo Hyundai Ventureville 10 Bamgogae-ro 1-gil Gangnam-gu Seoul 06349 Korea
Tel	(82)2 417 2555~6

2. hazard identification

a. Classification of the substance or mixture	
Skin corrosive/skin irritation 2 category	
Serious eye damage/eye irritation 2 category	
b. GHS Label elements, including precautionary statements	
Pictograms	
Signal word	Warning
Hazard statements	H315 Causes skin irritation H318 Causes serious eye damage
Precautionary statements	
Prevention	P264 Wash thoroughly after handling the treated area P280 Wear protective gloves/protective clothing/eye protection/face protection
Corresponding	P302+P352 If on skin, wash with plenty of soap and water P305+P351+P338 If in eyes, wash cautiously with water for several minutes P362+P364 Take off contaminated clothing and wash before reuse P332+P313 If skin irritation occurs, get medical advice/attention P337+P313 If eye irritation persists, ge medical advice/attention

SLES



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Storage	P403+P233 Store in a well ventilated place. Keep container tightly closed
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	1
Flammability	1
Reactivity	0

3. composition/information on ingredients

a. Name	Sodium Lauryl Ether Sulfate
b. Synonym	Sodium Laureth Sulfate
c. CAS #	68891-38-3
d. % by Weight	>68%

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 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 ₂), sulfur oxides (SO ₂ , SO ₃ ...).
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

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|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 nhalation 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

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| a. Appearance | High viscous liquid |
| b. Color | Not available |
| c. Odor | Not available |
| d. pH | 7.0–9.0 (5% soln., @25°C) |
| e. Melting point | Not available |
| f. Boiling point | Not available |
| g. Flash point | Not available |
| h. Evaporation Rate | Not available |
| i. Flammable | Not available |
| j. Upper Explosive Limit | Not available |
| k. Vapour Pressure (mmHG) | Not available |
| l. Solubility in water (g/L) | Not available |
| m. Relative Vapor Density (air=1) | Not available |

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n. Specific Gravity (water=1)	Not available
o. Water partition coefficient	Not available
p. Auto-ignition temperature	Not available
q. Decomposition Temp	Not available
r. Viscosity	Not available
s. Molecular Weight	384

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	Not available
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: Irritant. May cause blisters Serious eye damage or irritation: Eye irritation suspected based on skin irritation

12. ecological information

a. Ecotoxicity	Ceriodaphnia dubia EC50(48hr) (mg/l): 3.43
b. BOD5 and COD	Not available
c. Products of Biodegradation	Not available
d. Toxicity of the Products of Biodegradation	Not available
e. Special Remarks on the Products of Biodegradation	Not available



13. disposal considerations

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|----------------------------|---------------------------------------------------------------------------------------------------------|
| 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

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|----------------------------|---------------|
| a. UN number | Not available |
| b. Shipping Name | Not available |
| c. Dangerous goods class | Not available |
| d. Packing group | Not available |
| e. Marine pollutant | Not available |
| f. Special safety measures | |
| In case of fire emergency | Not available |
| In case of spill emergency | Not available |

15. regulatory information

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

16. other information

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| a. References | Not available |
| b. Other Special Considerations | Not available |
| c. Created | 2012-12-08 |
| d. Last Updated | 2018-03-19 |

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.