



Task Title: Understand a Cleaning Product MSDS

OALCF Cover Sheet – Practitioner Copy

Learner Name: _____

Date Started (m/d/yyyy): _____

Date Completed (m/d/yyyy): _____

Successful Completion: Yes ☐ No ☐

Goal Path:

Employment	☒	Apprenticeship	☐
Secondary School	☐	Post Secondary	☐
		Independence	☐

Task Description: The learner reads a Material Safety Data Sheet (MSDS) to become familiar with a cleaning product.

Main Competency / Task Group / Level Indicator:

- Find and Use Information/Interpret documents/A2.2

Materials Required:

- Pen and paper and/or digital device

Task Title: CleaningProductMSDS_E_A2.2

Learner Information

Cleaners and workers in jobs where cleaning is important (like Early Childhood Educators) need to use products that have a Material Safety Data Sheet (MSDS).

Scan "The Clorox Company 409" Material Safety Data Sheet.



The Clorox Company
1221 Broadway
Oakland, CA 94612
Tel. (510) 271-7000

Material Safety Data Sheet

I Product: FORMULA 409® ALL PURPOSE CLEANER											
Description: GREEN LIQUID											
Other Designations	Distributor	Emergency Telephone Nos.									
All Purpose Cleaner Misty Breeze Fragrance Lemon Fresh Fragrance	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300									
II Health Hazard Data		III Hazardous Ingredients									
CAUTION: EYE IRRITANT. Avoid eye and prolonged skin contact. Do Not ingest FIRST AID: EYE CONTACT: Immediately flush eyes with plenty of water. If irritation persists, see a doctor. SKIN CONTACT: Wash with water. Seek medical attention if irritation develops or persists. INGESTION: Drink a glass full of water. Call Physician. Do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. INHALATION: If breathing problems develop remove to fresh air. Seek medical attention if respiratory irritation develops or breathing becomes difficult. KEEP OUT OF REACH OF CHILDREN		<table border="1"> <thead> <tr> <th>Ingredients</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Alkyl (C₁₂40%; C₁₄50% C₁₆10%) dimethyl benzyl Ammonium chloride CAS# 68424-85-1</td> <td>0.3%</td> <td>Not Established</td> </tr> <tr> <td>Ethylene Glycol Monobutyl Ether CAS # 111-76-2</td> <td>0.5-5%</td> <td>25 ppm TLV-TWA 25 ppm PEL</td> </tr> </tbody> </table> Substance can be absorbed through the skin and may contribute to overall exposure. None of the ingredients in this product are on the IARC, NTP or OSHA carcinogen lists. TLV - TWA - Threshold Limit Value - Time Weighted Average. Source: ACGIH 1985-86. PEL - Permissible Exposure Limit. Source: OSHA	Ingredients	Concentration	Worker Exposure Limit	Alkyl (C ₁₂ 40%; C ₁₄ 50% C ₁₆ 10%) dimethyl benzyl Ammonium chloride CAS# 68424-85-1	0.3%	Not Established	Ethylene Glycol Monobutyl Ether CAS # 111-76-2	0.5-5%	25 ppm TLV-TWA 25 ppm PEL
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IV Special Protection and Precautions		V Transportation and Regulatory Data									
Hygienic Practices: Wear safety glasses. With repeated or prolonged use, wear gloves. Engineering Controls: Use general ventilation to minimize exposure to vapor or mist. Work Practices: Minimize skin contact and inhalation of vapor or mist. Not recommended for use on soft vinyl, varnishes or aluminum. If sprayed on these surfaces, rinse and wipe dry immediately.		U.S. DOT Hazard Class: Not restricted U.S. DOT Proper Shipping Name: Not restricted. EPA - SARA Title III/CERCLA: Bottled product is not reportable under Sections 311/312; contains chemicals regulated under Section 313 (ethylene oxide = trace, glycol ethers < 5%); and contains chemicals (glycol ethers < 5%, ethylenediaminetetracetic acid < 1.0%, ethylene oxide = trace, and sodium hydroxide < 0.5%) which are regulated under Section 304/CERCLA. TSCA Status: All components of this product are on the TSCA Inventory VOC Content: 48 g/L (EPA Method 24)									
VI Spill Procedures/Waste Disposal		VII Reactivity Data									
Spill Procedures: Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material. Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations.		Stable under normal use and storage conditions.									
VIII Fire and Explosion Data		IX Physical Data									
Flash Point: >200F Fire Extinguishing Agents: Foam, Dry Chemical, Water, CO₂ Unusual Fire and Explosion Hazards: Products of combustion are toxic		pH.....12.0 Solubility in Water.....complete Specific Gravity (H₂O=1).....1.015									

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DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH DATE PREPARED 3/01

Work Sheet

Task 1: What is the product name?

Answer:

Task 2: Who is the distributor for this product?

Answer:

Task 3: What is the purpose of the Health Hazard Data section?

Answer:

Task 4: What should the cleaner do if the product is accidentally swallowed?

Answer:

Task 5: What should the cleaner do if they are splashed by the product?

Answer:

Task 6: List the recommended PPE (Personal Protective Equipment) for this product.

Answer:

Task 7: What should the cleaner do to minimize exposure to product mist?

Answer:

Task 8: Why would the cleaner use this product?

Answer:

Answers

Task 1: What is the product name?

Answer: Formula 409® glass & surface cleaner

Task 2: Who is the distributor for this product?

Answer: The Clorox Sales Company

Task 3: What is the purpose of the Health Hazard Data section?

Answer: It gives directions in case of injury or discomfort from exposure when using the product.

Task 4: What should the cleaner do if the product is accidentally swallowed?

Answer: Drink a glassful of water. Call a doctor or poison control centre (Do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person.)

Task 5: What should the cleaner do if they are splashed by the product?

Answer: Rinse with plenty of water. If irritation persists, call a doctor.

Task 6: List the recommended PPE (Personal Protective Equipment) for this product.

Answer: Safety glasses; wear gloves with repeated or prolonged use

Task 7: What should the cleaner do to minimize exposure to product mist?

Answer: Use general ventilation to minimize exposure to product mist.

Task 8: Why would the cleaner use this product?

Answer: To clean glass and other surfaces.

Performance Descriptors

Levels	Performance Descriptors	Needs Work	Completes task with support from practitioner	Completes task independently
A2.2	Performs limited searches using one or two search criteria			
	Extracts information from tables and forms			
	Uses layout to locate information			
	Makes connections between parts of documents			
	Makes low-level inferences			
	Begins to identify sources and evaluate information			

This task: Was successfully completed ☐ Needs to be tried again ☐

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Learner Comments:

Instructor (print):

Learner (print):
