

MATERIAL SAFETY DATA SHEET 28-S



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MSDS Ref. No: 28S
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Revision No: 1

Foaming Glass Cleaner

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Foaming Glass Cleaner
PRODUCT DESCRIPTION: Aerosol Glass Cleaner
PRODUCT CODE: 28-S
PRODUCT FORMULATION NAME: Foaming Glass Cleaner
GENERIC NAME: Aerosol Glass Cleaner

MANUFACTURER

Southwest Auto Care ®
Autocare™
17054 South 54th Street
Chandler, Arizona 85226-4118

24 HR. EMERGENCY TELEPHONE NUMBERS

INFOTRAC (U.S.): (800) 535-5053
Office Phone: (480) 705-0273
Emergency Phone: (888) 846-2442

COMMENTS: To the best of our knowledge, this Material Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200.

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>	<u>EINECS#</u>
Propane/Butane Blend	1 - 5	68476 -85-7	
2-Butoxyethanol	1 - 5	111-76-2	
Ethyl Alcohol	1 - 5	64 -17-5	

COMMENTS: Product composition ranges shown are typical values for health, safety and environmental use and are not intended as specification.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Flammable liquid and vapor. CAUTION! May cause eye irritation.

POTENTIAL HEALTH EFFECTS

EYES: Moderately irritating to the eyes.

SKIN: May cause slight irritation.

INGESTION: Harmful if swallowed.

INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Eye contact may cause redness, tearing and a burning sensation.

SKIN: Repeated or prolonged skin contact may cause redness and irritation.

INGESTION: Ingestion may cause nausea and irritation.

INHALATION: Prolonged inhalation of vapors may cause irritation to nasal and respiratory tract.

ACUTE TOXICITY: overexposure to vapors may cause headaches, dizziness, confusion and nausea,

CHRONIC: Not available

CARCINOGENICITY: Not available

REPRODUCTIVE TOXICITY

TERATOGENIC EFFECTS: Not available

MEDICAL CONDITIONS AGGRAVATED: Preexisting skin, eye, and respiratory disorders may be aggravated by exposure to this product.

ROUTES OF ENTRY: Include skin contact, skin absorption, eye contact, inhalation and ingestion

TARGET ORGAN STATEMENT: not available

CANCER STATEMENT: Not available

PHYSICAL HAZARDS: Contents under pressure. Flammable liquid.

4. FIRST AID MEASURES

EYES: Flush eye with water for 15 minutes. Seek medical attention if irritation persists.

SKIN: Remove contaminated clothing. Wash with soap and water.

INGESTION: If swallowed, induce vomiting. Get medical attention immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE LIMITS: 1.8% (Propellant) to 9.2% (Propellant)

FLAMMABLE CLASS: This product is considered to be non flammable as described in 16 CFR 1500.45.

EXTINGUISHING MEDIA: use foam, dry chemical or Co2 extinguisher

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide and Carbon Dioxide

FIRE FIGHTING PROCEDURES: Water may be ineffective, but may be used to cool containers exposed to heat.

AUTOIGNITION TEMPERATURE: Not available

FLASHPOINT: Not available

SENSITIVE TO STATIC DISCHARGE: None expected

SENSITIVITY TO IMPACT: None expected

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Remove all ignition sources. Contain and collect with absorbent

LARGE SPILL: Remove all ignition sources. Shut off leak if safe to do so. Contain material to avoid run off and collect spill with absorbent.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep out of reach of Children.

HANDLING: Do not puncture or incinerate.

STORAGE: Do not expose to heat or store at temperatures above 120 F.

SHELF LIFE: Two years

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

	<u>EXPOSURE LIMITS</u>						
		<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier OEL</u>	
		<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
Propane/Butane Blend	TWA	1000		1000			
2-Butoxyethanol	TWA	50	240	25 ^[1]	121		
Ethanol	TWA	1000	1900	1000	1880		

OSHA TABLE COMMENTS:

1. skin

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels.**PERSONAL PROTECTIVE EQUIPMENT****EYES AND FACE:** Wear safety glasses with side shields or goggles.**SKIN:** Use Nitrile/ Vinyl gloves**RESPIRATORY:** NIOSH respirator -(organic vapor) in absence of proper environmental control.**PROTECTIVE CLOTHING:** Clean, body-covering clothing

9. PHYSICAL AND CHEMICAL PROPERTIES**PHYSICAL STATE:** Liquid**ODOR:** Alcohol odor**APPEARANCE:** Clear Liquid**VAPOR PRESSURE:** ~140 psig at (130°F)**VAPOR DENSITY:** >1 (Air=1)**EVAPORATION RATE:** >1 n-butyl acetate=1**SPECIFIC GRAVITY:** Not Available**(VOC):** <12 % by weight

10. STABILITY AND REACTIVITY**STABLE:** YES**HAZARDOUS POLYMERIZATION:** NO**CONDITIONS TO AVOID:** Avoid high temperatures.

11. TOXICOLOGICAL INFORMATION**SENSITIZATION:** Not available**TARGET ORGANS:** Not available**SUBCHRONIC:**

Not available

CARCINOGENICITY:**IARC:** Listed by IARC- NO**NTP:** Listed by NTP- NO**OSHA:** Listed by OSHA- NO**MUTAGENICITY:** Not available**REPRODUCTIVE EFFECTS:** Not available**TERATOGENIC EFFECTS:** Not available

12. ECOLOGICAL INFORMATION**ENVIRONMENTAL DATA:** Not available

ECOTOXICOLOGICAL INFORMATION: Not available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with local, state, and federal laws.

EMPTY CONTAINER: Do not incinerate.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

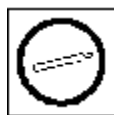
PROPER SHIPPING NAME: CONSUMER COMMODITY-ORM-D

TECHNICAL NAME: CONSUMER COMMODITY-ORM-D

15. REGULATORY INFORMATION

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



WHMIS Compressed Gas



WHMIS Toxic



WHMIS Flammable Aerosol

16. OTHER INFORMATION

PREPARED BY: Jim Kinzy

REVISION SUMMARY Change HMIS fire rating from a 1 to a 2

HMIS RATING

HEALTH:	1
FLAMMABILITY:	2
REACTIVITY:	0
PERSONAL PROTECTION:	A

NFPA CODES

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