

MATERIAL SAFETY DATA SHEET

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MSDS # 110621005

GLADE® POTPOURRI SPRAY - COUNTRY GARDEN®

Date Issued: 20Jul1995

Supersedes: 19Jun1995

US MANUFACTURER:

S.C. Johnson & Son, Inc.
Phone: (800) 725-6737
Racine, Wisconsin 53403-2236
Emergency Phone: (888) 779-7920
International Emergency Phone:
(414) 886-1480

CANADIAN MANUFACTURER:

S.C. Johnson and Son, Limited
Phone: (800) 725-6737
1 Webster Street
Brantford, Ontario N3T 5R1
Transportation Emergency:
CANUTEC (collect) (613) 996-6666
Poison Control: (888) 779-7920

HAZARD RATING	HMIS	HAZARD	NFPA	DISTRIBUTED IN CANADA BY:
4-Very High	1	Health	1	S.C. Johnson and Son, Limited
3-High	4	Flammability	4	Phone: (800) 725-6737
2-Moderate	0	Reactivity	0	1 Webster Street
1-Slight		Special		Brantford, Ontario N3T 5R1
0-Insignificant				

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME..... GLADE® POTPOURRI SPRAY - COUNTRY GARDEN®
REASON FOR CHANGE..... No significant changes.
PRODUCT USE..... Air care

SECTION 2 - INGREDIENT INFORMATION

INGREDIENT	WEIGHT%	EXPOSURE LIMIT/TOXICITY
Water (CAS# 7732-18-5).....	60-100	NOT ESTABLISHED
Butane (CAS# 106-97-8).....	10-30	800 ppm ACGIH/OSHA TWA
Isobutane (CAS# 75-28-5).....	5-10	NOT ESTABLISHED
Propane (CAS# 74-98-6).....	5-10	1000 ppm OSHA PEL
Emulsifier (CAS# 1338-43-8).....	0.5-1.5	NOT ESTABLISHED

SECTION 3 - HEALTH HAZARDS IDENTIFICATION (Also See Section 11)

ROUTE(S) OF ENTRY..... Inhalation.
EFFECTS OF ACUTE EXPOSURE:
EYE..... May cause: Mild eye irritation.
SKIN..... None known.
INHALATION..... None known.
INGESTION..... None known.
MEDICAL CONDITIONS..... None known.
GENERALLY RECOGNIZED
AS BEING AGGRAVATED
BY EXPOSURE

SECTION 4 - FIRST AID MEASURES

EYE CONTACT..... Rinse with plenty of water. If irritation persists, get medical attention.
SKIN CONTACT..... No special requirements.
INHALATION..... No special requirements.
INGESTION..... No special requirements.

SECTION 5 - FIRE AND EXPLOSION INFORMATION

FLASH POINT..... < 20°F (< -7°C) (TCC) (propellant)

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----- SECTION 5 - FIRE AND EXPLOSION INFORMATION (continued) -----

FLAMMABLE LIMITS..... Not applicable.
AUTOIGNITION..... Not applicable.
TEMPERATURE
EXTINGUISHING MEDIA.... Foam, CO2, Dry chemical, Water fog.
SPECIAL FIREFIGHTING... Fight fire from maximum distance or protected area. Cool and use
PROCEDURES caution when approaching or handling fire-exposed containers.
UNUSUAL FIRE AND..... Aerosol product - Containers may rocket or explode in heat of
EXPLOSION HAZARDS fire.

----- SECTION 6 - PREVENTIVE RELEASE MEASURES -----

STEPS TO BE TAKEN IN... Dike large spills. Absorb with oil-dri or similar inert material.
CASE MATERIAL IS Sweep or scrape up and containerize. Rinse affected area
RELEASED OR SPILLED thoroughly with water.

----- SECTION 7 - HANDLING AND STORAGE -----

PRECAUTIONARY..... CAUTION: CONTENTS UNDER PRESSURE. Do not use near open fire,
INFORMATION flames or heat. Do not store at temperatures above 120 °F (50 °C). Do not puncture or incinerate. Keep out of reach of children.
OTHER HANDLING AND..... Store in a cool, dry place with adequate ventilation.
STORAGE CONDITIONS

----- SECTION 8 - SPECIAL PROTECTION INFORMATION -----

RESPIRATORY PROTECTION. No special requirements under normal use conditions.
VENTILATION..... No special requirements.
PROTECTIVE GLOVES..... No special requirements under normal use conditions.
EYE PROTECTION..... No special requirements under normal use conditions.
OTHER PROTECTIVE..... No special requirements.
MEASURES

----- SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

COLOR..... Opaque
PRODUCT STATE..... Dispensed as a spray mist.
ODOR..... Fragrant
pH..... Not applicable.
SOLUBILITY IN WATER.... Complete
SPECIFIC GRAVITY..... Not available.
(H2O=1)
VAPOR DENSITY (AIR=1).. Not available.
EVAPORATION RATE (BUTYL Not available.
ACETATE=1)
VAPOR PRESSURE (mm HG). Not available.
BOILING POINT..... Not applicable.
FREEZING POINT..... Not applicable.
PERCENT VOLATILE BY.... Not available.
VOLUME (%)
VOLATILE ORGANIC..... Not available.
COMPOUND (VOC)
THEORETICAL VOC..... Not available.
(LB/GAL)

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----- SECTION 10 - STABILITY AND REACTIVITY -----

STABILITY..... Stable
STABILITY - CONDITIONS. No special requirements.
TO AVOID
INCOMPATIBILITY..... No special requirements.
HAZARDOUS DECOMPOSITION PRODUCTS Produces normal products of combustion.
HAZARDOUS..... Will not occur.
POLYMERIZATION
HAZARDOUS..... Not applicable.
POLYMERIZATION -
CONDITIONS TO AVOID

----- SECTION 11 - TOXICOLOGY INFORMATION (Also See Section 3) -----

EFFECTS OF CHRONIC..... None known.
EXPOSURE

----- SECTION 12 - ECOLOGICAL INFORMATION -----

ENVIRONMENTAL DATA..... Not available.

----- SECTION 13 - DISPOSAL CONSIDERATIONS -----

WASTE DISPOSAL..... If possible, recycle empty aerosol can to nearest steel recycling
INFORMATION center. Use up package or give to someone who can.

----- SECTION 14 - TRANSPORTATION INFORMATION -----

US DOT INFORMATION..... Please refer to the Bill of Lading/receiving documents for
up-to-date shipping information.

----- SECTION 15 - REGULATORY INFORMATION -----

All ingredients of this product are listed or are excluded from listing on the U.S. Toxic
Substances Control Act (TSCA) Chemical Substance Inventory.

This product is not subject to the reporting requirements under California's Proposition 65

----- SECTION 16 - OTHER INFORMATION -----

ADDITIONAL INFORMATION. NFPA 30B Level 1 Aerosol.
EPA REGISTRATION #..... Not applicable.

----- PREPARATION INFORMATION -----

PREPARED BY..... Manufacturer's Technical Support Department. Refer to page 1
(Manufacturer) for contact information.

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PRINT DATE: 02Jun1998



ZEP Manufacturing Company
 Acuity Specialty Products Group, Inc.
 P.O. Box 2015
 Atlanta, GA 30301
 1-877-I-BUY-ZEP (428-9937)
 www.zep.com

Material Safety Data Sheet

and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name ZEP 40
Product Use Aerosol Glass Cleaner
Product Code 0144
Date of issue 06/28/05 **Supersedes** 04/15/03

Emergency For MSDS Information:
Telephone Numbers Acuity Specialty Products Group, Inc.
 Compliance Services 1-877-I-BUY-ZEP (428-9937)

For Medical Emergency
 INFOTRAC:
 (877) 541-2016 Toll Free - All Calls Recorded

For a Transportation Emergency
 CHEMTREC:
 (800) 424-9300 - All Calls Recorded
 In the District of Columbia (202) 483-7616

Printing date: 04/13/06

Prepared by Compliance Services Group
 Acuity Specialty Products Group
 1420 Seaboard Industrial Blvd.
 Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
ETHANOL; ethyl alcohol; grain alcohol	64-17-5	10 - 20	ACGIH TLV / OSHA PEL (United States). TWA: 1000 ppm 8 hour(s).
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	< 5	ACGIH TLV (United States). TWA: 20 ppm 8 hour(s). OSHA PEL (United States). Skin TWA: 50 ppm 8 hour(s).
HYDROCARBON PROPELLANT; blend of propane, isobutane & n-butane	75-28-5; 74-98-6; 106-97-8	5 - 15	ACGIH TLV / OSHA PEL (United States). Notes: Propane TWA: 1000 ppm 8 hour(s). OSHA PEL / ACGIH TLV (United States). Notes: n-Butane TWA: 800 ppm 8 hour(s).

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Absorbed through skin. Inhalation.

Skin Slightly hazardous in case of skin contact (irritant). Non-sensitizer for skin. Skin inflammation is characterized by itching, scaling, or reddening.

Eyes Hazardous in case of eye contact (irritant). Liquid in eye may cause irritation with possible damage if not rinsed immediately.

Inhalation Slightly hazardous in case of inhalation (lung irritant). Over-exposure by inhalation may cause respiratory irritation. Prolonged exposure may cause narcotic effect. Medical Conditions Aggravated by Overexposure: Respiratory

Ingestion No data on acute toxicity of the product when ingested. Unlikely in this form.

HMIS

Health	1
Flammability	1
Reactivity	0
Personal Protection	A

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse health effects are lessened by following all prescribed safety precautions, including use of proper personal protective equipment.

Carcinogenic Effects Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Chronic Effects Prolonged or repeated contact may dry skin and cause irritation. May cause headache, nausea or weakness in case of long term exposure. The substance may be toxic to blood, kidneys, liver. Repeated or prolonged exposure to the substance can produce target organs damage.
 See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact	Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops.
Inhalation	If inhaled, remove to fresh air. If symptoms persist, seek immediate medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point	Closed cup: 28.3°C (83°F) (Tagliabue)	Flammable Limits Not applicable.
Flammability	Non-flammable. (CSMA)	
Fire Hazard	Container explosion may occur under fire conditions or when heated. Cool closed containers exposed to fire with water.	
Fire-Fighting Procedures	Use DRY chemicals, CO ₂ , water spray or foam. Wear special protective clothing and positive pressure, self-contained breathing apparatus.	

**Section 6. Accidental Release Measures**

Spill Clean up	Large spills are unlikely due to packaging.
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Section 7. Handling and Storage

Handling	Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapors or spray mists. Do not ingest. Use only with adequate ventilation. Wash contaminated clothing before reusing. Wash thoroughly after handling.
Storage	Keep container in a cool, well-ventilated area. Protect from temperature extremes and direct sunlight. Do not store above 49°C (120°F). Do not puncture or incinerate.

Section 8. Exposure Controls, Personal Protection

	Personal Protection	Protective Clothing (Pictograms)
Eyes	Recommended: Safety glasses.	
Body	For prolonged or repeated handling, use gloves.	
Respiratory	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.	

Section 9. Physical and Chemical Properties

Physical State	Aerosol. (Liquid fill)	Color Colorless.
pH	10.5-11.0	Odor Alcohol like. (Slight.)
Boiling Point	93°C (199.4°F)	Vapor Pressure Not determined.
Specific Gravity	1.1 (Water = 1)	Vapor Density Not determined.
Solubility	Easily soluble in cold water.	Evaporation Rate 1 compared to water
		VOC (Consumer) 297 (g/l) 27.4%

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Reactive with oxidizing agents.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	Carbon Dioxide, Carbon Monoxide and other organic materials.

Section 11. Toxicological Information

Toxicity to Animals	Ethanol:
	ORAL (LD50): Acute: 7060 mg/kg [Rat].
	Ethylene Glycol Monobutyl Ether:
	ORAL (LD50): Acute: 1746 mg/kg [Rat].
	DERMAL (LD50): Acute: 680 mg/kg [Rabbit].
	VAPOR (LC50): Acute: 450 ppm 4 hour(s) [Rat (Female)].

Section 12. Ecological Information

Ecotoxicity	Not available.
Biodegradable/OECD	Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations. **Waste Stream Code:** - (None.)
Classification: - (Non-hazardous waste)
Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name Not applicable.
DOT Classification ORM-D **UN number** Not applicable.

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting:
Ethylene Glycol Monobutyl Ether (Glycol Ethers)
Clean Water Act (CWA) 311: No products were found.
Clean air act (CAA) 112 regulated toxic substances: Ethylene Glycol Monobutyl Ether (Glycol Ethers)
All Components of this product are listed or exempt from listing on TSCA inventory.

Section 16. Other Information

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

MATERIAL SAFETY DATA SHEET

FORMULA # 3354-0

ITEMS USING THIS FORMULA = 3348, 3351, 3351BP, 3354, 3358, 3394

QUICK IDENTIFIER (In Plant Common Name) "THE WORKS" GLASS & MULTI-SURFACE CLEANER	CAS NUMBER	MIXTURE
MANUFACTURER'S NAME LIME-O-SOL CO.	FOR EMERGENCY ASSISTANCE, CALL CHEMTREC EMERGENCY TELEPHONE NUMBER 1-800-424-9300 NON-EMERGENCY NUMBER 1-800-262-8200	
ADDRESS P.O. BOX 395, ST. RD. 4, ASHLEY IN 46705	DATE PREPARED	11-4-97

HEALTH HAZARD DATA

ACUTE OVEREXPOSURE	MAY IRRITATE EYES
CHRONIC OVEREXPOSURE	NONE KNOWN
SYMPTOMS OF EXPOSURE (Routes of Entry) 1. Inhalation - NONE 2. Eyes - MAY CAUSE SLIGHT IRRITATION 3. Dermal (skin) - NONE 4. Ingestion - NONE	
RECOMMENDED FIRST AID TREATMENT EYE CONTACT REQUIRES FLUSHING WITH WATER FOR FIFTEEN MINUTES.	

HAZARDOUS INGREDIENTS

PRINCIPAL COMPONENTS	% RANGE	ACGIH/TLV	OSHA PEL	Other Limits
GLYCOLIC ETHER (EB)	2 - 5	1 mg/1 m ³ TWA	N/A	N/A
H ₂ O AND OTHER NON-HAZARDOUS COMPONENTS	90 - 98	N/A	N/A	N/A

PHYSICAL DATA

BOILING POINT	212°F	LIQUID DENSITY (lbs/gallon)	8.257
VAPOR PRESSURE	N/A	SPECIFIC GRAVITY (H ₂ O = 1)	.99
SOLUBILITY IN WATER	SOLUBLE	FREEZING POINT	< 32°F
APPEARANCE AND ODOR	GREEN LIQUID WITH FRUIT FRAGRANCE		

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED) N/A °F _____ °C	AUTO IGNITION TEMPERATURE N/A	FLAMMABLE LIMITS % BY VOLUME LEL N/A UEL _____
Note:		
EXTINGUISHING MEDIA	ANY	
SPECIAL FIRE FIGHTING PROCEDURES	NONE	
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONE	

REACTIVITY DATA

STABILITY Stable <input checked="" type="checkbox"/> _____ Unstable _____	CONDITIONS TO AVOID NONE KNOWN
INCOMPATIBILITY (Materials to avoid)	NOT RECOMMENDED FOR FINISHED WOOD SURFACES
HAZARDOUS DECOMPOSITION PRODUCTS	NONE KNOWN
HAZARDOUS POLYMERIZATION May Occur _____ Will Not Occur <input checked="" type="checkbox"/> _____	

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED SMALL QUANTITIES MAY BE FLUSHED WITH WATER OR WIPED UP WITH ABSORBENT. LARGE SPILLS ARE TO BE DISPOSED ACCORDING TO LOCAL ORDINANCES.
WASTE DISPOSAL METHOD DOMESTIC TRASH

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Will Vary By Use and Conditions)					NONE
VENTILATION	ADEQUATE	LOCAL	N/A	SPECIAL	N/A
		MECHANICAL (Gen.)	N/A	OTHER	N/A
PROTECTIVE GLOVES NONE					
EYE PROTECTION SAFETY GLASSES/GOGGLES IF USED IN LARGE AMOUNTS					
OTHER PROTECTIVE EQUIPMENT NONE					

SPECIAL PRECAUTIONS*

SPECIAL LABELING INFORMATION	HMIS rating	H - 1 F - 0 R - 0
SPECIAL HANDLING RECOMMENDATIONS		
NONE		
SPECIAL STORAGE RECOMMENDATIONS		
N/A		
SPECIAL PACKAGING RECOMMENDATIONS		
N/A		

** Various Government agencies (i.e., Department of Transportation, Occupational Safety and Health Administration, Food and Drug Administration and others) may have specific regulations concerning the transportation, handling, storage or use of this product which may not be contained herein. The customer or user of this product should be familiar with these regulations.*