



ENFORCER Products
 A Division of Acuity Specialty Products
 Group, Inc.
 P.O. Box 1060
 Cartersville, GA 30120
 1-888-805-HELP
 www.zepcommercial.com

Material Safety Data Sheet and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name Spray Buff for Floors
Product Code HDSBF128
Date of issue 07/29/05 **Supersedes** 02/13/04

Emergency Telephone Numbers **For a Medical Emergency:**
 INFOTRAC
 (877) 541-2016 (Toll Free - Calls Recorded)

For a Transportation Emergency:
 CHEMTREC
 (800) 424-9300 (Toll Free - Calls Recorded)

Printing Date:

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
DIPROPYLENE GLYCOL METHYL ETHER; dipropylene glycol monomethyl ether	34590-94-8	1 - 5	ACGIH TLV / OSHA PEL (United States). TWA: 100 ml/m ³ 8 hour(s). STEL: 150 ml/m ³ 15 minute(s).
NONYLPHENOXY POLY(ETHYLENEOXY) ETHANOL - npe; poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy	9016-45-9	1 - 5	Not established
ETHANOL; ethyl alcohol; grain alcohol	64-17-5	1 - 5	ACGIH TLV / OSHA PEL (United States). TWA: 1000 ppm 8 hour(s).

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Dermal contact. Eye contact. Inhalation.
Skin Hazardous in case of skin contact (irritant). Direct contact may cause irritation and redness.
Eyes Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.
Inhalation Hazardous in case of inhalation. Avoid inhalation of vapors and spray mist. Over-exposure by inhalation may cause respiratory irritation.
Ingestion Can cause gastrointestinal disturbances. DO NOT swallow.

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

Chronic Effects The substance may be toxic to kidneys, liver. Repeated or prolonged exposure to the substance can produce target organs damage.

See Toxicological Information (section 11)

HMIS

Health	1
Fire Hazard	2
Reactivity	0
Personal Protection	B

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.
Skin Contact In case of contact, immediately flush skin with plenty of water. Get medical attention if irritation develops.
Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get 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: 65.556°C (150°F).	Flammable Limits	Not determined.
Flammability	Combustible.		
Fire Hazard	Combustible liquid and vapor. Vapor may cause fire.		
Fire-Fighting Procedures	Dry chemical, carbon dioxide, foam, water fog. Cool closed containers exposed to fire with water. Fire-fighters should wear proper protective equipment.		


**Section 6. Accidental Release Measures**

Spill Clean up	Eliminate all ignition sources. Put on appropriate personal protective equipment (see Section 8). Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
-----------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Section 7. Handling and Storage

Handling	Avoid contact with eyes, skin and clothing. Avoid inhalation of vapors and spray mist. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Do not reuse product container. Wash thoroughly after handling.
Storage	Store and use away from heat, sparks, open flame, or any other ignition source. Keep container tightly closed and dry. Keep away from food, drink and animal feeding stuffs. Store between 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection**Personal Protection****Protective Clothing (Pictograms)**

Eyes	Safety glasses.	
Body	For prolonged or repeated handling, use gloves. Neoprene gloves. Nitrile gloves. Natural rubber (latex) gloves.	
Respiratory	Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.	

Section 9. Physical and Chemical Properties

Physical State	Liquid. (Translucent emulsion.)	Color	Milky-white
pH	8.0-9.0	Odor	Odorless.
Boiling Point	100°C (212°F)	Vapor Pressure	Not determined.
Specific Gravity	1 (Water = 1)	Vapor Density	Not determined.
Solubility	Easily soluble in cold water, hot water.	Evaporation Rate	1 compared to Water
		VOC (Consumer)	5.00% 0.42 lb/gal 49.91g/l

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Avoid contact with strong oxidizers, excessive heat, sparks or open flame.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	Ammonia, carbon oxides (CO, CO ₂) and nitrogen oxides (NO, NO ₂ ...).

Section 11. Toxicological Information

Toxicity to Animals	Dipropylene Glycol Methyl Ether:
	ORAL (LD50): Acute: 5430 mg/kg [Rat].
	Nonylphenoxy poly(Ethyleneoxy)Ethanol:
	ORAL (LD50): Acute: 3310 mg/kg [Rat].
	DERMAL (LD50): Acute: 2000 mg/kg [Rabbit].
	Ethanol:
	ORAL (LD50): Acute: 7060 mg/kg [Rat].

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	Non-hazardous waste
Consult your local or regional authorities.	

Section 14. Transport Information

Proper shipping name	None.
DOT Classification	Not a DOT controlled material (United States).
UN number	Not regulated.
TDG Classification	Not controlled under TDG in Canada.

Section 15. Regulatory Information

U.S. Federal Regulations	SARA 313 toxic chemical notification and release reporting: No products were found. Clean Water Act (CWA) 311: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.
State Regulations	California prop. 65: No products were found.
WHMIS (Canada)	Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). Class D-1B: Material causing immediate and serious toxic effects (TOXIC). Class D-2B: Material causing other toxic effects (TOXIC).

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.*