



BOOKKEEPER DEACIDIFICATION SPRAY

SDS Number: Bookkeeper Deacidification Spray

Revision Date: 22 March 2017

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1	PRODUCT AND COMPANY IDENTIFICATION
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Product Name: BOOKKEEPER DEACIDIFICATION SPRAY
Revision Date: 5/27/15
SDS Number: Bookkeeper Deacidification Spray
Common Name: Bookkeeper Deacidification Spray
Product Code: Bookkeeper Deacidification Spray
Product Use: Preservation of paper and paper products.

(24 hours M-F), Emergency (US): (724)-779-2111 or 1-800-416-2665

In Europe:

Preservation Technologies B.V., Pluim-Es 18, 2925 CM Krimpen aan den IJssel, Netherlands; Tel: +31 (0) 180 521188, Fax +31 (0) 180 525400; Emergency +31 (0) 180 521188, +31 (0) 653672024.

2	HAZARDS IDENTIFICATION
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Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):
NO GHS CLASSIFICATIONS INDICATED

GHS Label elements, including precautionary statements

GHS Signal Word: NONE

GHS Hazard Statements:

NO GHS HAZARD STATEMENTS INDICATED

Hazards not otherwise classified (HNOC) or not covered by GHS

Route of Entry: Eyes; Ingestion; Inhalation; Skin;
Target Organs: Not expected to effect any specific organs.
Inhalation: Health effects from inhalation are not expected unless product is over heated and decomposition occurs.
Skin Contact: Contact with skin during product use is not expected to result in significant irritation.
Eye Contact: Contact with eyes during product use is not expected to result in significant irritation.
Ingestion: Ingestion is not a likely route of exposure to this product. No health effects are expected.



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NFPA: Health = 3, Fire = 0, Reactivity = 0, Specific Hazard = n/a

HMIS III: Health = 1, Fire = 0, Physical Hazard = 0



HMIS	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
1309-48-4	<0.5%	Magnesium oxide (MgO)
0	<0.1%	Dispersant (Proprietary)
0	>99%	Methoxynonafluorobutanes (Mixture CAS# 163702-07-6 & 08-7)

4 FIRST AID MEASURES

Inhalation:	If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.
Skin Contact:	Wash affected area with soap and water.
Eye Contact:	Immediately flush eyes with large amounts of clean water for at least 15 minutes. Call a physician.
Ingestion:	No need for first aid is anticipated.

5 FIRE FIGHTING MEASURES

Flammability:	Not flammable.
Flash Point:	None
Autoignition Temp:	405 C
LEL:	N/A
UEL:	N/A

Exposure to extreme heat can give rise to thermal decomposition. If product is in aerosol cans, use water spray to cool fire exposed cans since they can rupture violently from heat induced pressure.

6 ACCIDENTAL RELEASE MEASURES

For small spills: Observe precautions from other sections of this SDS.

For large spills: Contain by diking far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Material is not a US EPA hazardous waste. Dispose of in compliance with local, state and federal regulations.

7 HANDLING AND STORAGE

Handling Precautions: No usual precautions required.

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Storage Requirements: Store under normal warehouse conditions. If product is in aerosol cans, store in area below 120 F. Do not incinerate containers. Always replace overcap when not in use.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Local exhaust - for applications at or above the boiling point, use local exhaust ventilation with minimum capture velocity of 50 linear feet per minute.

Personal Protective Equipment: None when used at ordinary room temperatures with sufficient local exhaust ventilation to maintain airborne concentrations at recognized health and safety levels. As good industrial hygiene practice, avoid prolonged breathing of vapors. If material is at or above boiling point, thermal decomposition products may be present. In this case, an OSHA approved air supplied respirator should be used.

Exposure Limits: Mixture Methoxy nonafluorobutanes (based on manufacturers reports):

- AIHA (TWA₅)/PEL: 750 ppm
- ACGIH (TWA/TLV): Not available.
- NIOSH REL: Not available.
- NIOSH IDLH: Not available.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless, turbid liquid.	Odor:	Mild.
Physical State:	Liquid	Solubility:	Insoluble in water.
Spec Grav./Density:	1.5	Percent Volatile:	99%
Viscosity:	0.7 centipoise at 20 C	Freezing/Melting Pt.:	-135 C approx.
Boiling Point:	60 C approx.	Flash Point:	None
Flammability:	Not flammable.	Vapor Density:	9 approx. (air = 1)
Vapor Pressure:	195 mm Hg @ 68 C	VOC:	0 g/l (exempt solvent)
pH:	Not applicable.	Auto-ignition Temp:	405 C
Evap. Rate:	>1.0 (n-butyl acetate = 1)		

10 STABILITY AND REACTIVITY

Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid: High temperatures.

Materials to Avoid: Finely divided metals, alkali and alkaline earth metals.

Hazardous Decomposition: Thermal oxidative decomposition of this product can produce hydrogen fluoride and perfluorobutylene.

Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: Methoxy nonafluorobutanes (based on manufacturers reports):

- Oral (LD 50): >5 g/kg, rat
- Inhalation (LC 50): >1,000 mg/l, rat
- Dermal (LD 50): no information available.

Toxicity Data:

- Eye Effects: Non-irritating under normal use. Vapors from heated material may cause irritation.
- Skin Effects: Minimally irritating.
- Accute Inhalation Effects: Not Known.
- Chronic Effects: Not Known.



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Carcinogenicity: Not Known.
Mutagenicity: Not a mutagen in reverse mutation chromosomal aberration assay.
Teratogenicity: Not Known.

12	ECOLOGICAL INFORMATION
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Chemical Name: Methoxy nonafluorobutanes (based on manufacturers reports).

Acute Toxicity:

Fish: LC-50 (fathead minnow, 96 h): >7.9 mg/l
Aquatic Invertebrates: EC-50 (water flea, 48 h): >10 mg/l.

Persistence and degradability:

Biodegradation: No data available.
BOD: No data available.
COD: No data available.

Bioaccumulation Potential: No data available.

Mobility in Soil: No data available.

13	DISPOSAL CONSIDERATIONS
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Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state and local regulations. As a disposal alternate, incinerate in the presence of a combustible material in an industrial or commercial facility capable of handling halogenated wastes. Reclamation of product is recommended if feasible. An aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40CFR. 261.1(c)(6)) and would be exempt from RCRA regulation under 40CFR 261.6(a)(3)(iv) if it is to be recycled.

Disposal Regulatory Requirements: Since regulations vary, consult applicable regulations or authorities before disposal. Not US EPA hazardous.

14	TRANSPORT INFORMATION
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DOT Class: Not Regulated

This product is Non-Regulated in all transportation modes except as packaged in aerosol cans.

Aerosol Cans:

DOT HM-181
Consumer Comm.
ORM-D

15	REGULATORY INFORMATION
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Component (CAS#) [%] - CODES

Methoxynonafluorobutanes, Mixture (163702-07-6 & 08-7) [>99%] TSCA, DSL

Magnesium Oxide (MgO) (1309484 <0.5%) MASS, OSHAWAC, PA, TSCA, TXAIR, DSL

Dispersant (Proprietary, <0.1%), TSCA, DSL

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Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act
DSL = Canadian Domestic Substances List

MASS = MA Massachusetts Hazardous Substances List
OSHA = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TXAIR = TX Air Contaminants with Health Effects Screening Level.

16	OTHER INFORMATION
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The information in this SDS is believed to be correct and the best currently available to us. However, PTLP makes no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.