

MATERIAL SAFETY DATA SHEET

SPRAYWALL™ "B"
SPRAYROQ®, INC .P.O.
BOX 101717
4707 ALTON COURT
BIRMINGHAM, AL 35210

HMIS

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

1. GENERAL

TRADE NAME: Spraywall™ "B"
OTHER COMPANY NAMES: N/A
OTHER INDUSTRY NAMES: Polyether polyol

CHEMICAL FAMILY: Polyether polyol	DOT HAZARDOUS MATERIALS SHIPPING NAME: None
GENERIC NAME: Polyether polyol	DOT HAZARD CLASS: Not required for transportation
CAS NO.: See Section 9 Components	DOT PLACARD QUANTITY: None

UN/NA ID NO.: 2810

2. SUMMARY OF HAZARDS

SIGNAL WORD: Caution

PHYSICAL HAZARDS: Slightly combustible liquid

ACUTE HEALTH EFFECTS: No inhalation hazard identified from data available
(short term) Slight eye irritant
Expected to be slightly toxic
Slight skin irritant
Expected to be slightly toxic to dermal absorption

CHRONIC HEALTH EFFECTS: A two year feeding study in rats has shown that diethyltoluenediamine, fed at 100%, and used at the rate of 3-5% in this product, caused effects in the pancreas, liver, thyroid and eyes. An increase in the number of tumors in the liver and thyroid of male rats and in the liver and possibly mammary glands of female rats was found.

3. FIRE AND EXPLOSION

FLASH POINT 332°F (PMCC)	AUTOIGNITION TEMP. No data available	FLAMMABLE LIMITS LOWER LIMITS No data UPPER LIMITS No data
FIRE AND EXPLOSION HAZARDS	In the form supplied hazard is very low, however air and exposed to ignition source, vapors or fine sprays/mist can burn in the open or explode if confined. Vapors may be heavier than air. May travel long distances along the ground before igniting and flashing back to the vapor source	
EXTINGUISHING MEDIA	Dry chemical CO ² Alcohol type foam Foam	
EXTINGUISHING MEDIA USE COMMENT	No additional information available	
SPECIAL FIRE FIGHTING PROCEDURES	Do not direct a solid stream of water or foam into burning pools; this may cause frothing and increase fire intensity. Use self-contained breathing apparatus and body-covering protective clothing. Burning can produce oxides of carbon and nitrogen.	

4. HEALTH HAZARDS

SUMMARY OF ACUTE HAZARDS	Slightly toxic health hazard. See below for route-specific details.	
ROUTES OF ENTRY	SIGNS AND SYMPTOMS	PRIMARY ROUTES
INHALATION	Not expected to be a route of exposure.	No
EYE CONTACT	Expected to be an irritant, may cause irritation, seen as excess redness of the conjunctiva.	Yes
SKIN ABSORPTION	Expected to be slightly toxic by dermal absorption.	Yes
SKIN IRRITATION	May cause temporary local reddening of the skin.	Yes
INGESTION	Expected to be slightly toxic.	Yes
SUMMARY OF CHRONIC HAZARDS	May be slightly toxic to humans. See CHRONIC HEALTH EFFECTS in Section 2.	

5. PROTECTIVE EQUIPMENT AND OTHER CONTROL MEASURES

RESPIRATORY	No special respiratory protection is recommended under normal conditions of anticipated use with adequate ventilation.
EYE	Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact due to splashing or spraying of liquid, airborne particles or vapors.
SKIN	PVC-coated gloves should be worn.
ENGINEERING CONTROLS	General mechanical room ventilation is satisfactory for normal handling and storage operations.
OTHER HYGIENIC PRACTICES	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of potential exposure.
OTHER WORK PRACTICES	None.

6. OCCUPATIONAL EXPOSURE LIMITS

SUBSTANCE	SOURCE DATE	TYPE	VALUE/LIMITS	TIME	SKIN
Diethyltoluenediamine			Not established by OSHA/ACGIH		

There may be OSHA PELs AND/OR ACGIH TLV for one or more components, which are trade secrets. Chemical identities will be revealed to a treating physician in an emergency.

OTHER WORK PRACTICES None

7. EMERGENCY AND FIRST AID

INHALATION	Remove to fresh air.
EYE CONTACT	Flush eyes thoroughly with water for at least 15 minutes and seek medical attention if discomfort persists.
SKIN CONTACT	Wash skin thoroughly with mild soap and water.
INGESTION	Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Get medical attention.
EMERGENCY MEDICAL TREATMENT PROCEDURES	There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.
DETOXIFICATION PROCEDURES	No additional medical information found.

8. SPILL AND DISPOSAL

PRECAUTIONS IF MATERIAL IS SPILLED OR RELEASED

Absorb materials with any commercial waste absorbent. Dike large spills and place materials in salvage containers.

WASTE DISPOSAL METHODS

Incinerate in a furnace where permitted under appropriate federal, state and local regulations.

9. COMPONENTS

<u>COMPONENT NAME</u>	<u>CAS NO.</u>	<u>COMPOSITION</u>	<u>AMOUNT CARCINOGEN**</u>
Trade secret*		95-97%	
Diethyltoluenediamine	68479-98-1	3-5%	

*The specific chemical identity of this component is a trade secret.

**1=National Toxicology Program 2=International Agency For Research On Cancer
3=Occupational Health And Safety Administration 4=Other

10. COMPONENT HEALTH HAZARDS

<u>COMPONENT</u>	<u>COMPONENT HEALTH HAZARDS</u>
Diethyltoluenediamine	Moderate skin irritant, slightly toxic by absorption. Eye irritant, slightly toxic by absorption. Ingestion, slightly toxic by ingestion.

11. ADDITIONAL TOXICOLOGICAL INFORMATION

Diethyltoluenediamine None

12. PHYSICAL AND CHEMICAL DATA

BOILING POINT N/D	VISCOSITY N/D	DRY POINT N/D
FREEZING POINT Approx. 32°F	VAPOR PRESSURE <.001MM HG A 68°F	VOLATILE CHARACTERISTICS N/D

12. PHYSICAL AND CHEMICAL DATA (cont.)

SPECIFIC GRAVITY 1.58 @ 72°F	VAPOR SPECIFIC GRAVITY >1	SOLUBILITY IN WATER <u>Negligible < 1%</u>
pH N/D	STABILITY Stable	HAZARDOUS POLYMERIZATION Not expected to occur

APPERANCE AND ODOR – Viscous opaque tan

CONDITIONS TO AVOID - Decomposes when heated: Heating in the presence of air to temperatures above 212°F may result in the formation of aldehydes; ignition may occur at temperatures below those published in the literature as autoignition or ignition temperature; ignition may occur at typical elevated-temperature process conditions, especially in processes operating under vacuum if subjected to sudden ingress of air; Ignition temperatures decrease with increasing vapor volume and vapor/air contact time, and are influenced by pressure changes.

MATERIALS TO AVOID - No additional information available.

HAZARDOUS DECOMPOSITION PRODUCTS - Incomplete combustion may produce carbon monoxide and other toxic gases. Certain combustion products may be highly toxic, respiratory tract irritants, or act as asphyxiants if inhaled.

13. HAZARDS RATING INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION

No hazards rating information is available for this system.

HAZARDOUS MATERIALS INFORMATION SYSTEM (HMIS)

See Page #1.

14. ADDITIONAL PRECAUTIONS

HANDLING AND STORAGE PROCEDURES

Normal precautions common to good manufacturing practice should be followed in the handling and storage of this system. For industrial use only.

DECONTAMINATION PROCEDURES

No information available.

15. REGULATORY INFORMATION

FEDERAL REGULATIONS:

TOXIC SUBSTANCE CONTROL ACT (TSCA)

The following is the TSCA chemical substance inventory status of the components of this material with CAS numbers listed in Section 9:

<u>CHEMICAL</u>	<u>CAS NO.</u>	<u>STATUS</u>
Trade Secret		See notes
Diethyltoluenediamine	68479-98-1	listed

Note: One or more of the trade secret components of this material, listed in Section 9 - Components, may be on states' regulatory lists. Chemical identities will be revealed to treating physicians in an emergency.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1988 (SARA), TITLE III, SECTION 302/304

Requires emergency planning based on "threshold planning quantities" (TPQ), and release reporting based on Reportable Quantities (RQ) of "extremely hazardous substances" (EHS) listed in Appendix A of 40 CFR 355. There are no components of this material with known CAS numbers which are on the EHS list.

SECTION 311 & 312

Based upon available information, this material and/or components are not classified as any of the specific health and/or physical hazards defined by Section 311 and 312.

SECTION 313

The material does not contain any chemical components with known CAS numbers that exceed the DE Minimis reporting levels established by SARA Title III, Section 313 and 40 CFR 372.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA)

No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA.

OSHA REGULATIONS

"Chemical specific" OSHA regulations presented under 29 CFR 1910 does not apply to this material or its components.

OTHER EPA REGULATIONS

No additional information available.

15. REGULATORY INFORMATION (cont.)

DEPARTMENT OF TRANSPORTATION (DOT)

None

STATE REGULATIONS:

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1988 - PROPOSITION 65.

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California proposition 65 at levels which would be subject to the proposition.

CALIFORNIA SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 443.1 (VOC)

A volatile organic compound (VOC) is any volatile compound of carbon excluding methane, carbon monoxide, carbonic acid, metallic; carbides or carbonates, ammonium carbonates, 1,1,1-trichloroethane, methylene chloride, (FC-23) (CFC-113) (CFC-12) (CFC 11) (CFC-22) (CFC-114) and (CFC-115). By definition this is not a VOC material.

MASSACHUSETTS RIGHT TO KNOW SUBSTANCE LIST (MSL) [105 CMR670.000]

Extraordinarily hazardous substances (MSL-EHS) must be identified when present in materials at levels greater than state specified criterion. The criterion is $\geq 0.0001\%$ hazardous substances (MSL-HS) on the MSL must be identified when present at greater than the state specified criterion. The criterion is $\geq 1\%$ components with CAS numbers present in this material, at levels specified in Section 9 - Components, do not require reporting under the statute.

NEW JERSEY REGISTRATION

None of the trade secrets listed in Section 9 - Components have been registered with the state of New Jersey.

PENNSYLVANIA RIGHT-TO-KNOW HAZARDOUS SUBSTANCES LISTS

Special hazardous substances (PA-SHS) must be identified when present in material at levels greater than the state specified criterion. The criterion is $\geq 0.1\%$ hazardous substance (PA-HS) must be identified when present in material at levels greater than the state specified criterion. The criterion is $\geq 1\%$ environmental hazards (PA-EH) must be identified when present in material at levels greater than the state specified criterion. The criterion is $\geq 0.01\%$ components with CAS numbers present in the material, at levels specified in Section 9 -Components, do not require reporting under the statute.

16. LABEL INFORMATION

MANUFACTURER: SPRAYROQ, INC.
4707 ALTON COURT
BIRMINGHAM, AL 3510

Telephone Numbers:
CHEMTREC
800-424-9300
205-957-0020 SPRAYROQ

OTHER COMPANY NAMES: None

USE STATEMENT: For industrial use only

HEALTH HAZARDS: Slightly toxic by: Skin absorption, Eye absorption.
Ingestion

PRECAUTIONARY MEASURES:

Do not cut or weld on or near this container. Do not pressurize.

Do not handle near heat, sparks, or open flames.

Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

Before handling and use, read and understand the Material Safety Data Sheet.

Obey all label warnings, especially during use.

Refer to all federal, state and local regulations prior to disposition of container and used contents by reuse, recycling or disposal.

DOT INFORMATION: UN/NA ID NO. UN2810

DOT HAZARD CLASS: None

DOT REPORTABLE QUANTITY: N/A

DOT HAZARDOUS MATERIALS PROPER SHIPPING NAME: None.

17. GENERAL COMMENTS

Some of the information presented and conclusions drawn are from sources other than direct test data on the material itself.

NOTES: N/A=not available N/D=not determined

This information in the MSDS was obtained from sources which we believe are reliable.

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