



Bayer

BAYER INC.
MATERIALSCIENCE
77 BELFIELD ROAD
TORONTO; ONTARIO; M9W 1G6
(416) 248-0771

PRODUCT: BAYSEAL 2.7 S



Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER/SUPPLIER..... BAYER INC.
77 BELFIELD ROAD
TORONTO, ONTARIO
M9W 1G6
(416) 248-0771
24 HOUR EMERGENCY NUMBER:..... (613) 996-6666 CANUTEC.
PRODUCT NAME..... BAYSEAL 2.7 S
CHEMICAL FAMILY..... Polyol system.
MATERIAL USE..... Refer to technical literature.

Section 02: HAZARDS IDENTIFICATION

ROUTE OF ENTRY Eye contact. Skin contact. Inhalation. Ingestion.
EYE CONTACT..... Causes eye irritation.
SKIN CONTACT..... Causes skin irritation. May cause allergic skin reaction.
SKIN ABSORPTION..... Not available.
INHALATION (ACUTE)..... Causes respiratory tract irritation.
INGESTION..... May be harmful if swallowed. Symptoms of ingestion may include abdominal pain, nausea, vomiting and diarrhea. Moderately toxic.
EFFECTS OF CHRONIC EXPOSURE..... Chronic ingestion may cause kidney and liver damage. May cause nervous system damage. Prolonged vapour contact with eyes may cause conjunctivitis. Ethylene glycol:.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	% w/w	Exposure Limit	C.A.S.#	LD/50, Route, Species	LC/50 Route, Species
HYDROFLUOROCARBON	7-13	Not available	460-73-1	> 20,000 ppm 4h (rat)	Not available
ETHYLENE GLYCOL	0.1-1	50 ppm (ceil.) ACGIH	107-21-1	4700 mg/kg oral rat	Inhl: > 200 mg/m3, 2hr (rat)

Section 04: FIRST AID MEASURES

EYE CONTACT..... In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Consult a physician if irritation continues.
SKIN CONTACT..... Immediately flush skin with plenty of soap and water. Remove contaminated clothing. Wash clothing before reuse. If irritation persists, seek medical attention.
INHALATION..... If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and obtain medical attention.
INGESTION..... Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.
ADDITIONAL INFORMATION..... In all cases, if irritation persists seek medical attention.

Section 05: FIRE FIGHTING MEASURES

FLASH POINT (deg C), METHOD..... Not available.
AUTO IGNITION TEMPERATURE (deg C).... Not available.
LOWER EXPLOSIVE LIMIT (% VOL)..... Not available.
UPPER EXPLOSIVE LIMIT (% VOL)..... Not available.
EXTINGUISHING MEDIA..... Carbon dioxide. Dry chemical. Foam. In cases of larger fires, water spray should be used.
HAZARDOUS COMBUSTION PRODUCTS.. By fire: Protect against potentially toxic and irritating fumes.
SENSITIVITY TO MECHANICAL IMPACT.... Not applicable.
SENSITIVITY TO STATIC DISCHARGE..... Not applicable.

Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL..... Isolate area and keep unauthorized people away. Do not walk through spilled material. Wear recommended protective equipment. Ventilate. Open windows and doors to allow air circulation. Dike area to prevent spreading. The use of absorbent socks or spill pillows may be required. Stop leak if safe to do so. Collect and place in appropriately marked sealable containers for disposal. The spill area should then be washed down with soap and water to dilute and remove remaining traces of material.

PRODUCT: BAYSEAL 2.7 S**Section 07: HANDLING AND STORAGE**

HANDLING PROCEDURES.....	Avoid skin and eye contact. Do not breathe vapours, mists, or dust. Handle in accordance with good industrial hygiene and safety practices. Employees should wash hands and face before eating or drinking.
STORAGE NEEDS.....	Store in a cool, dry and well ventilated area. Material is hygroscopic and may absorb small amounts of atmospheric moisture. If contamination with isocyanates is suspected, do not reseal containers. Storage temperature:.. (min/max: 21.11/29.44 deg C).
SHELF LIFE.....	6 months.

Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE EQUIPMENT	
EYE / TYPE.....	Chemical safety goggles. Safety glasses with side-shields.
RESPIRATORY / TYPE.....	In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory equipment required during spraying. An air-purifying particulate/organic vapour cartridge respirator is required anytime inhalation of vapour above the exposure limit is possible. Observe OSHA regulations for respirator use (29 CFR 1910.134).
GLOVES/TYPE.....	Chemical resistant gloves: butyl rubber, nitrile rubber, neoprene, PVC.
CLOTHING/TYPE.....	Wear adequate protective clothes. Wear long sleeves and trousers to prevent dermal exposure.
FOOTWEAR/TYPE.....	Safety boots per local regulations.
OTHER/TYPE.....	Emergency showers and eye wash stations should be available. Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees on the safe use and handling of the product.
VENTILATION REQUIREMENTS.....	Use local exhaust or general room ventilation sufficient to prevent overexposure.

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE.....	Liquid.
COLOUR.....	Amber. Brown.
ODOUR.....	Slight. Ether. Amine.
SPECIFIC GRAVITY.....	1.14.
ODOUR THRESHOLD (ppm).....	Not available.
VAPOUR PRESSURE (mm Hg).....	1,227 hPa.
VAPOUR DENSITY (AIR=1).....	Not available.
EVAPORATION RATE.....	Not available.
BOILING POINT (deg C).....	Not available.
pH.....	Not available.
SOLUBILITY IN WATER (% W/W).....	Partially. Soluble.
COEFFICIENT OF WATER/OIL	Not available.
DISTRIBUTION	
FREEZING POINT (deg C).....	Not available.
MELTING POINT (deg C).....	Not available.
BULK DENSITY.....	Approx. 1,138 kg/m3.

Section 10: STABILITY AND REACTIVITY

INCOMPATIBILITY.....	Oxidizing agents. Isocyanates.
REACTIVITY CONDITIONS.....	Product is stable, hazardous polymerization will not occur.
HAZARDOUS PRODUCTS OF DECOMPOSITION	By fire: Carbon dioxide. Carbon monoxide. Other aliphatic fragments which have not been determined. Hydrogen cyanide. Nitrogen oxides. Amines.

Section 11: TOXICOLOGICAL INFORMATION

NOTE:.....	Toxicity data is based on a similar product.
ACUTE ORAL TOXICITY (LD50).....	1370 mg/kg (rat).
DERMAL TOXICITY (LD50).....	12800 mg/kg (rabbit).
IRRITANCY OF MATERIAL.....	Not available.
SENSITIZING CAPABILITY OF MATERIAL.....	Not available.
CARCINOGENICITY OF MATERIAL.....	The components of this product are not listed by IARC, NTP or regulated as a carcinogen by OSHA.
TERATOGENICITY.....	Based on tests with laboratory animals, ethylene glycol causes birth defects when ingested in high doses. There is no evidence to connect ethylene glycol to birth defects in humans.
MUTAGENICITY.....	Not available.
REPRODUCTIVE EFFECTS.....	Not available.

PRODUCT: BAYSEAL 2.7 S**Section 12: ECOLOGICAL INFORMATION**

FISH TOXICITY (1)..... Not available.
BIODEGRADABILITY..... Not available.

Section 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL..... Dispose of waste in accordance with all applicable federal, provincial and local regulations. Empty containers retain product residue; observe all precautions for product. Do not heat or cut empty containers with electric or gas torch as the vapours and gases may be toxic.

Section 14: TRANSPORT INFORMATION

TDG CLASSIFICATION..... Non regulated.

Section 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION..... D2B.
CEPA STATUS..... On Domestic Substances List (DSL).
SNAC 460-73-1 - Hydrofluorocarbon

Section 16: OTHER INFORMATION

NOTE:..... This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Bayer Inc. The data on this sheet relates only to the specific material designated herein. Bayer Inc. assumes no legal responsibility for use or reliance upon these data.

PREPARED BY: Health, Safety and Environment.
TELEPHONE NUMBER:..... 1-800-268-1331 ext. 2147.
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