

PRIME FLEX 920

Safety Data Sheet



1. Identification

Product: Prime Flex 920
Product use: Polyurethane leak sealer
Manufactured by: Prime Resins, Inc.
2291 Plunkett Road
Conyers, GA. 30012
Phone: 770.388.0626

Emergency Phone: 1.800.424.9300
For International calls
703.527.3887

2. Hazards(s) Identification

2.1 Classification of the substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Inhalation (Category 4), H332

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Respiratory sensitisation (Category 1), H334

Skin sensitisation (Category 1), H317

Carcinogenicity (Category 2), H351

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

Specific target organ toxicity - repeated exposure, Inhalation (Category 2), Respiratory system, H373

Reproductive toxicity (Category 1B), H360

Acute aquatic toxicity (Category 1), H400

2.2 GHS Label elements, including precautionary statements



Signal word: DANGER

Hazard Statement(s)

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H332 Harmful if inhaled

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 May cause respiratory irritation

H351 Suspected of causing cancer

H373 May cause damage to organs (Respiratory system) through prolonged or repeated exposure if inhaled.

H360 May damage fertility or the unborn child

H400 Very toxic to aquatic life

Precautionary statement(s)

P201 Obtain special instructions before use

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust / fume / gas / mist / vapours / spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment

P280 Wear protective gloves / eye protection / face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304+ P340 IF INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing.

P305+ P351+ P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+ P313 IF exposed or concerned: Get medical advice / attention.

P321 Specific treatment (see supplemental first aid instructions on this label).
 P333+P313 If skin irritation or rash occurs: Get medical advice / attention.
 P337+P313 If eye irritation persists: Get medical advise / attention.
 P362 Take off contaminated clothing and wash before reuse.
 P391 Collect spillage.
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents / container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: Lachrymator, Contains isocyanate.

3. Composition / Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight
Diphenylmethane- 4,4'-Diisocyanate	101-68-8	<10%
Methylenediphenyldiisocyanate, isomers and homologues	26447-40-5	<10%
Dibutyl Phthalate	84-74-2	<50%
Polymeric M01	9016-87-9	25-50%

4. First-Aid Measures

First Aid Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.
 Skin: Immediately take off all contaminated clothing. For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.
 Inhalation: If inhalation of gas/fume/vapor/dust/mist from the material is excessive (air concentration is greater than the TLV or health effects are noticed), immediately remove the affected person(s) to fresh air. Seek medical attention.
 Ingestion: If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

5. Fire-Fighting Measures

Flash Point: 157 °C Pensky Martin Closed Cup
 Hazardous Combustion Products: Decomposition of this product may emit oxides of nitrogen and carbon monoxide and HCN
 Extinguishing Media: Water spray, dry chemical, carbon dioxide. Alcohol foam.
 General Fire Hazards: NA
 Fire Fighting Equipment/Instructions: Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

Spills, Leaks, or Releases:

For major spills call Chemtrec (800-424-9300).
 Clean up should only be performed by trained personnel.
 People dealing with major spillages should wear full protective clothing including appropriate respiratory protection.
 Evacuate the area. Prevent further leakage, spillage or entry into drains.

6. Accidental Release Measures

Spills, Leaks, or Releases:

For major spills call Chemtrec (800-424-9300).

Clean up should only be performed by trained personnel.

People dealing with major spillages should wear full protective clothing including appropriate respiratory protection.

Evacuate the area. Prevent further leakage, spillage or entry into drains or subsoil / soil.

7. Handling and Storage

Handling Procedures: Avoid breathing aerosols, mists and vapors. Avoid contact with skin and eyes. Provide adequate ventilation

Storage Procedures: If container is exposed to high heat, it can be pressurized and possibly rupture explosively. Keep the container tightly closed and in a cool, well-ventilated place. Keep away from water.

8. Exposure Controls / Personal Protection

Exposure Guidelines

4,4'-Diphenylmethane Diisocyanate:

ACGIH TLV	0.05 mg/M ³ (8-hour, 40 hours/week)
OSHA PEL CEILING	0.20 mg/M ³
NIOSH REL/TWA	0.05 MG/m ³ (10-hour, 40 hours/week)
NIOSH REL/CEILING	0.20 mg/M ³ (10-minute)

Dibutyl phthalate:

OSHA TLV	5 mg/m ³ (8-hour, 40 hours/week)
NIOSH REL/TWA	5 mg/m ³ (10-hour, 40 hours/week)

Personal Protective Equipment

Eyes/Face: Wear safety glasses; chemical goggles (if splashing is possible).

Skin: Gloves – neoprene, nitrile rubber, butyl rubber. Avoid thin latex disposable gloves for repeated or long-term use. Protective clothing should be selected

Respiratory: When the product is sprayed or heated without adequate ventilation, an approved MSHA/NIOSH positive-pressure, supplied-air respirator may be required.

9. Physical and Chemical Properties

Physical State: Slightly viscous liquid

Color and Odor: Brown, sweet-smelling liquid

Boiling Point: > 260 °F DECOMP

Specific Gravity (H₂O=1): 1,1-1,2

Vapor Pressure: (AIR=1) 8,5

Evaporation Rate (BUTYL ACETATE=1): 1.8

Solubility (H₂O): INSOLUBLE reacts with water

VOC: none

10. Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Hazardous Decomposition: By high heat and fire: carbon dioxide, carbon monoxide and oxides of nitrogen.

Hazardous Polymerization: Polymerization may occur at elevated temperatures in the presence of alkalis, tertiary amines and metal compounds.

Incompatibility: Water, amines, strong bases, alcohols, metal compounds and surface-active materials

11. Toxicological Information

Product / Ingredient name	Test	Species	Result	Exposure
Diphenylmethane-4,4'-Diisocyanate	LD50 Dermal	Rabbit-male, female	>9400 mg/kg	-
	LD50 Intraperitoneal	Rabbit-male	100 mg/kg	-
	LD50 Oral	Rat-male, female	>2000 mg/kg	-
	LC50 Inhalation	Rat-male, female	>2.24 mg/L	-
Methylenediphenyldiisocyanate, isomers and homologues	LD50 Dermal	Rabbit-male, female	>9400 mg/kg	-
Dibutyl phthalate	LD50 Oral	Rat	8,000 mg/kg	-
	LC50 Inhalation	Rat	4,250 mg/m3	-
	LD50 Dermal	Rabbit	>20.9 g/kg	-

12. Ecological Information

Product / Ingredient Name	Species	Dose	Result	Exposure
polymeric MDI	Zebra fish	> 1000 mg/l	LC50	24 hour
	Daphnia magna	> 1000 mg/l	EC50	24 hour
	E. Coli	> 100 mg/l/l	EC50	24 hour

Product / Ingredient Name	Species	Dose	Result	Exposure
dibutyl phthalate	fathead minnow	.85 mg/l (flow-through)	LC50	96 hour
	rainbow trout	1.25 mg/l (flow-through)	LC50	96 hour
	bluegill	0.42 mg/l (flow-through)	LC50	96 hour

13. Disposal Considerations

Dispose of waste material according to local, state, federal, and provincial environmental regulations. This material is not hazardous waste under RCRA 40 CFR 261. Small quantities should be treated with a decontaminant solution. The treated waste is not a hazardous material under RCRA 40 CFR 261. Chemical waste, even in small quantities, should never be discarded down drain, sewers or waterways.

14. Transport Information

Domestic transport: DOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations.

15. Regulatory Information

OSHA Status: This product is hazardous under the criteria of Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

US Federal Regulations: All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA - Section 313 –

Emission Reporting: EPCRA Section 313 (40 CFR 372) CERCLA (Comprehensive Environmental Response, Compensation and Liability Act): 4,4-Methylene diphenyl diisocyanate has a 5,000 lb. RQ (reportable quantity). Dibutyl phthalate has a 10 lb RQ. Any spill or release above the RQ must be reported to the National Response Center (800-424-8802)

This product does not contain nor is it manufactured with ozone depleting substances.

California Prop 65: WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm. DIBUTYL PHTHALATE

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations) and this SDS (Safety Data Sheet) contains all the information required by the CPR.

Controlled Products Regulations (WHMIS) Classification: D-1A; D-2A and D-2B.

CEPA / Canadian Domestic Substances List (DSL): The substance(s) in this product is/are on the Canadian Domestic Substances List (CEPA DSL).

16. Other Information

HMIS Ratings:

Health	2
Flammability	1
Reactivity	1
Protection	C

NOTICE:

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.

The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, SDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

