

Material Safety Data Sheet

Revision Date 31-Jan-2012

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code DN5580B
Product name Bedrock Kit - Resin
Recommended Use Repair Material

Supplier Drummond American
A Lawson Products Company
600 Corporate Woods Parkway
Vernon Hills, IL 60061
(847) 913-9313

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
Irritant.

Aggravated Medical Conditions

Allergies. Pre-existing skin conditions may be aggravated by exposure to this product.

Principal Routes of Exposure

Eyes. Skin. Ingestion.

Potential health effects

Eyes Irritation.

Skin Skin Irritation. Dermatitis.

Inhalation No adverse affects expected

Ingestion No adverse affects expected

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Benzyl alcohol	100-51-6	30-50
1, 5 Pentanediamine, 2 Methyl	15520-10-2	3-7
1-(2-Aminoethyl) piperazine	140-31-8	3-7
Salicylic Acid	69-72-7	3-7
Benzene-1,3-Dimethaneamine	1477-55-0	10-30
Phenol	108-95-2	10-30

4. FIRST AID MEASURES

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention if irritation persists.

Skin contact Wash off immediately with soap and plenty of water. Seek medical attention if irritation persists.

Ingestion Never induce vomiting if the victim is unconscious or having convulsions. Seek medical attention immediately.

Inhalation Remove to fresh air. Oxygen or artificial respiration if needed. Consult a physician.

5. FIRE FIGHTING MEASURES

Flash point °C 104
Flash point °F 220
Method Closed cup

Autoignition temperature °C No data available
Autoignition temperature °F No data available

Flammability Limits (% in Air)
Upper No data available
Lower No data available

Suitable extinguishing media

Foam. Carbon dioxide (CO₂). Dry chemical powder. Water spray.

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Special Fire-Fighting Procedures

Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

Fire and Explosion Hazards

Keep containers cool. Use shielding to protect against bursting or venting containers.

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information. Dike or dam large spills. Soak up excess with absorbent material. Collect and contain for disposal. Clean area with detergent and water after spill removal.

7. HANDLING AND STORAGE

Handling

Keep container closed when not in use.

Product code **DN5580B**Product name **Bedrock Kit -
Resin****Storage**

Follow general handling and storage procedures.

**8. EXPOSURE CONTROLS / PERSONAL
PROTECTION**

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Benzyl alcohol	-	-	-	-
Phenol	19 mg/m ³ 5 ppm	-	5 ppm	-
Benzene-1,3-Dimethanamine	-	-	-	-
1-(2-Aminoethyl) piperazine	-	-	-	-
Salicylic Acid	-	-	-	-
1, 5 Pentanediamine, 2 Methyl	-	-	-	-

Ventilation and Environmental Controls

Normal ventilation is adequate. Local: as necessary.

Hygiene measures

General industrial hygiene practice. Remove and wash contaminated clothing before re-use.

Respiratory protection

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended.

Hand Protection

Neoprene gloves.

Eye protection

If splashes are likely to occur, wear: Goggles. Face-shield.

Skin and body protection

None necessary under normal conditions

Other Protective Equipment

Wear appropriate clothing to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Yellow - Amber
Odor	Amine-like
Odor Threshold	No information available
pH	No data available
Specific Gravity	> 1
Vapor pressure	0.02
Vapor density	No data available
Evaporation Rate	No data available
Water solubility	Negligible
VOC Content	0
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	251
Boiling point/range °F	485

Melting point/range °C

No data available

Melting point/range °F

No data available

Flash point °C

104

Flash point °F

220

10. STABILITY AND REACTIVITY**Stability**

Stable.

Conditions to avoid

No information available

Incompatibility

Acids. Oxidizers.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide. aldehydes. Nitrogen.

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Benzyl alcohol 100-51-6	8.8 mg/L	2000 mg/kg	8.8 mg/L
Phenol 108-95-2	317 mg/kg	525 mg/kg 630 mg/kg	316 mg/m ³
Benzene-1,3-Dimethanamine 1477-55-0	930 mg/kg	2000 mg/kg	700 ppm
1-(2-Aminoethyl) piperazine 140-31-8	2140 mg/kg	880 mg/kg	-
Salicylic Acid 69-72-7	891 mg/kg	2 g/kg	0.9 mg/L
1, 5 Pentanediamine, 2 Methyl 15520-10-2	-	-	-

Synergistic Products

None known

Potential health effects**Sensitization**

None known

Chronic toxicity

None known

Mutagenic effects

None known

Teratogenic effects

None known

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Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Benzyl alcohol	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Phenol	A4	Not Listed	Not Listed	Not Listed	Not Listed
Benzene-1,3-Dimethanamine	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
1-(2-Aminoethyl) piperazine	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Salicylic Acid	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
1, 5 Pentanediamine, 2 Methyl	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATIONBenzyl alcohol**Microtox Data**

Photobacterium phosphoreum EC50=50 mg/L (5 min)
Photobacterium phosphoreum EC50=63.7 mg/L (15 min)
Photobacterium phosphoreum EC50=63.7 mg/L (5 min)
Photobacterium phosphoreum EC50=71.4 mg/L (30 min)

Water Flea Data*water flea hEC50* 48 (23 mg/L)Phenol**Microtox Data**

Photobacterium phosphoreum EC5021 - 36 mg/L (30 min)
Photobacterium phosphoreum EC50=23.28 mg/L (5 min)
Photobacterium phosphoreum EC50=25.61 mg/L (15 min)
Photobacterium phosphoreum EC50=28.8 mg/L (5 min)
Photobacterium phosphoreum EC50=31.6 mg/L (15 min)

Water Flea Data*water flea hEC50* 48 (23.0 mg/L)*Daphnia magna hLC50* 48 (13 mg/L)1-(2-Aminoethyl) piperazine**Microtox Data***Pseudomonas putida* EC50>10000 mg/L (17 h)**Water Flea Data***Daphnia magna hEC50* 48 (32 mg/L)Salicylic Acid**Microtox Data**

Bacillus subtilis EC50=138 mg/L (1 h)
Photobacterium phosphoreum EC50=214 mg/L (5 min)
Escherichia coli EC50=552 mg/L (1 h)
Saccharomyces cerevisiae EC50=78 mg/L (210 min)

Water Flea Data*Daphnia magna hEC50* 24 (105 mg/L)**Aquatic toxicity** Do not let product enter drains**13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products**

Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION**DOT**

Not Regulated

TDG

Not Regulated

15. REGULATORY INFORMATION**US EPA SARA 313**

Chemical Name	US EPA SARA 313 Emission Reporting
Phenol	Listed

Chemical Name	CERCLA/SARA 302 TPO
Phenol	\$500 lb, lower TPQ \$10000 lb, upper TPQ

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Benzyl alcohol	Not Listed	Listed	Not Listed
Phenol	Listed	Listed	Not Listed
Benzene-1,3-Dimethanamine	Not Listed	Listed	Not Listed
1-(2-Aminoethyl) piperazine	Listed	Listed	Not Listed
Salicylic Acid	Not Listed	Not Listed	Not Listed
1, 5 Pentanediamine, 2 Methyl	Not Listed	Not Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Benzyl alcohol	X	X	-	X
Phenol	X	X	-	X
Benzene-1,3-Dimethanamine	X	X	-	X
1-(2-Aminoethyl) piperazine	X	X	-	X
Salicylic Acid	X	X	-	X
1, 5 Pentanediamine, 2 Methyl	X	X	-	X

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

Product code **DN5580B**

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Resin**

16. OTHER INFORMATION

HMIS

Health - 3

Flammability - 1

Physical Hazard - 0

Prepared By

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.