



MATERIAL SAFETY DATA SHEET

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 800-323-2594

1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES
 24 Hour INFOTRAC (US and CANADA): 800-535-5053

PRODUCT NAME
 UNITED 541 NOMIX CONCRETE REPAIR
 (Part A and Part B)

USE/DESCRIPTION
 Concrete Repair

REVISION DATE
 March 11, 2013

HMIS III HEALTH (0 = Maximum Safety) *2

Always follow Label Directions and Cautions.

* Chronic	2 Moderate
4 Severe	1 Slight
3 Serious	0 Minimal

See Hazards Identification Section of this MSDS for more detailed information.

PHYSICAL HAZARD (0 = Maximum Safety) 1

Susceptible to Release of Energy.

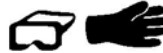
4 May detonate-vacate area if materials are exposed to fire.	2 Violent chemical change possible-use hose stream from distance
3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers.	1 Unstable if heated-use precaution.
	0 Normally stable.

FLAMMABILITY (0 = Maximum Safety) 1

Susceptibility of Material to Burning.

4 Extremely flammable.	1 Must be preheated
3 Ignites at normal temperature.	to burn.
2 Ignites when moderately heated.	0 Will not burn.

PERSONAL PROTECTION: n & p



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (STEL)	OSHA (PEL)	LD50 (Species/Route)	LC50 (Species)
*6-Methyl-2,4-BIS(Methylthio) Phenylene-1,3-Diamine	106264-79-3	5-15	NE	NE	>1515 mg/kg (Oral, rat)	NE
*N,N,N',N'-Tetrakis(2-Hydroxypropyl) Ethylenediamine	102-60-3	< 10	NE	NE	>3280 mg/kg (Oral, rat)	NE
*Polyether Polyol	9082-00-2	70-85	NE	NE	NE	NE
+MDI Prepolymer	Not disclosed	50-60	NE	NE	NE	NE
+4,4'-Diphenylmethane Diisocyanate	101-68-8	5-10	0.005 ppm 0.051ng/m3	0.02 ppm 0.20mg/m3	>5000 mg/kg (Dermal, rabbit)	NE
+Diphenylmethane diisocyanate mixed isomers	26447-40-5	5-10	NE	NE	NE	NE
+Polymeric diphenylmethane diisocyanate	9016-87-9	10-16	NE	NE	NE	NE
+2,2,4-Trimethyl-1,3-pentanediol diisocyanate	6846-50-0	13-15	0.005 ppm 0.051mg/m3	0.02 ppm 0.20mg/m3	>3280 mg/kg (Oral, rat)	453 ppm/6h Inhalation. Rat
(* Part A only) (+ Part B only)						

3. HAZARDS IDENTIFICATION

Routes of Entry: Inhalation, Skin contact, Eye contact, Ingestion

Eyes: Irritating and can cause stinging, burning, lachrymation or tearing.

Skin: May cause minor irritation, reddening, swelling, or blistering. Prolonged contact may cause rash in some individuals resulting in dermatitis. (+Part B only – could cause by repeated and/or prolonged contact may cause skin sensitization.)

Inhalation: Not expected in normal use. High concentrations of vapors above the TLV for prolonged periods without adequate ventilation may cause dizziness and respiratory irritation. (+Part B only – Chronic inhalation can result in sensitization.)

Ingestion: May cause irritation of the gastrointestinal tract and gastrointestinal discomfort with any or all of the following symptoms – nausea, vomiting, lethargy, or diarrhea.

4. FIRST AID MEASURES

Eyes: Immediately flush with plenty of water for at least 15 minutes, while holding eyelids open. Get prompt medical attention.

Skin: Wash with soap and plenty of water. If symptoms develop, seek medical attention.

Inhalation: Remove to fresh air. If symptoms develop, seek medical attention. If not breathing, give artificial respiration.

If Swallowed: DO NOT induce vomiting. Immediately drink water to dilute. Get medical attention immediately if symptoms develop. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash Point (PMCC): Part A & Part B: >200°F/93°C

Explosive Limits: Lower (LEL): ND Upper (UEL): ND

Flame Projection (Aerosol): NA

Hazardous Products of Combustion: When strongly heated, as in a fire, this product may produce oxides of carbon, nitrogen and sulfur.

Fire and Explosion Hazards: In the presence of extreme heat, as in a fire, this product may produce highly toxic gas. Product reacts slowly with water to produce carbon dioxide which may rupture closed containers. This reaction accelerates at higher temperatures.

Extinguishing Media: Dry chemical, Carbon dioxide, Chemical foam, Water fog.

Fire Fighting Instructions: Wear self-contained breathing apparatus w/full protective clothing. Containers should be cooled with water to prevent vapor pressure build up.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Soak up with an inert absorbent and place in designated disposal container. Rinse area thoroughly.

Large Spills: Soak up with an inert absorbent and place in designated disposal container. May be a slipping hazard. Rinse area thoroughly.

7. HANDLING AND STORAGE

Keep containers tightly closed when not in use and store in a cool, dry, well-ventilated area (60°F/16°C to 120°F/49°C). Protect from freezing. Keep out of direct sunlight. Keep away from heat and flames. Do not get in eyes, on skin or on clothing. Use good personal hygiene practices.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety goggles are recommended.

Skin: Chemical resistant gloves are recommended. Clothing to cover exposed skin is recommended.

Respiratory: Not normally required under normal working conditions with airborne exposures below.

Engineering Controls: Mechanical ventilation recommended when handling in enclosed/tight spaces.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: ND

Specific Gravity: 1.04-1.10 (H₂O=1)

Vapor Pressure: ND

Melting Point: ND

Vapor Density: ND

Evaporation Rate: ND

Solubility in Water Partial

pH: NA

Appearance and Odor: Part A: Cloudy gray liquid with faint scent. Part B: Pale yellow liquid with faint scent.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: NA

Hazardous Decomposition: When strongly heated, as in a fire, this product may produce oxides of carbon and nitrous oxide, HCN, and oxides of sulfur.

Chemical Stability: Stable

Incompatibility: Part A – Moisture, oxidizing agents such as bleach, and temperature extremes. Part B – This product will react with any materials containing active hydrogens such as water, alcohol, amines, bases and acids. The reaction with water is very slow under 122F/ 50C.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity (NTP/IARC/OSHA): None

California Proposition 65: Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? None

12. ECOLOGICAL INFORMATION

ND

13. DISPOSAL CONSIDERATIONS

Consult your local, state, provincial and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

RCRA Hazard: If discarded in its purchased form, this material is not a hazardous waste according to RCRA 40 CFR 261.

14. TRANSPORT INFORMATION

DOT: Available upon request

TDG: Available upon request

UN: Available upon request

15. REGULATORY INFORMATION

VOC (Volatile Organic Compounds): None

TSCA (Toxic Substances Control Act): Listed

SARA Title III Section 302 EHS: ND

SARA Title III Section 311/312: Acute immediate, Chronic health hazard., Sensitizing substance

SARA Title III Section 313 Toxic Chemicals: Diisocyanate compounds – RQ (lbs.) 5000

WHMIS Classification:

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.

UNITED 541 NOMIX

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