



Dura

Date of issue: 5/2015

Supersedes: 05/2012

Version: 1.0

Page 1 of 5

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Form: Mixture

Product Name: US SPEC Dura

Synonyms: None

Product Uses: Bonding Agent and Admixture

Manufacturer: US MIX Co.
112 South Santa Fe Drive
Denver, CO 80223
Telephone: 303-778-7227
Fax: 303-722-8426

Emergency Contact: CHEMTREC 800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

GHS-US classification

Eye damage/irritation - 2A

Skin corrosion/irritation - 2

GHS-US labeling

Hazard Pictograms (GHS-US):



Signal Word (GHS-US):

Warning

Hazard Statements (GHS-US):

Causes serious eye irritation; Causes skin irritation

Precautionary Statements (GHS-US):

Wear protective gloves and eye/face protection. Wash with plenty of water and soap thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	PERCENT
Polymer	Trade secret	20-40
2-aminoethanol (a component of the polymer mixture)	131-43-5	<1%

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: FIRST AID MEASURES

INHALATION: Move to fresh air. If cough, irritation, difficulty in breathing persist or develop, call a physician.

SKIN CONTACT: Do not rub skin. Rinse skin free of material with water to avoid abrasion of skin. Wash thoroughly with soap and water.

INGESTION: Administer milk or water. DO NOT induce vomiting. Call a physician or Poison Control Center immediately. DO NOT give anything orally to an unconscious person.

EYE CONTACT: Do not rub eyes. Flush with water for 15 minutes. Call a physician.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT (TAG CLOSED CUP): Non-Flammable

FLAMMABLE LIMITS LEL: NA UEL: NA

EXTINGUISHING MEDIA: NA

SPECIAL FIRE FIGHTING PROCEDURES: NA

UNUSUAL FIRE AND EXPLOSION HAZARDS: NA

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contain with earthen dike if necessary. Contain spill with inert absorbent.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Use only in well ventilated area. Protect from freezing.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**AIRBORNE EXPOSURE LIMITS**

INGREDIENT	OSHA PEL	ACGIH TLV	OTHER LIMITS
2-aminoethanol	6 mg/m ³	3 ppm	NA

CONTROL MEASURES:

RESPIRATORY PROTECTION: Organic vapor cartridge or NIOSH approved supplied air respirators according to OSHA regulation 29 CFR 1910.134.

VENTILATION: Fan or forced air exhaust. If ventilation is inadequate use respiratory protection.

PROTECTIVE GLOVES: Use rubberized gloves according to OSHA regulation 29 CFR 1910.138.

EYE PROTECTION: Chemical splash goggles or face shield according to OSHA regulation 29 CFR 1910.133.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: PVC or equivalent chemically resistant apron. Safety showers, eye wash stations and washing facilities should be available.

WORK/HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, smoking or using washroom. Remove and wash contaminated clothing before re-use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Milky White Liquid

ODOR: Mild

BOILING POINT: 212°F (100°C)

FREEZING / MELTING POINT: 32°F (0°C)

VAPOR PRESSURE (MM HG): 17@ 68°F Water

EVAPORATION (BUTYL ACETATE = 1): <1

VAPOR DENSITY (AIR = 1): <1 Water

WATER SOLUBILITY: Soluble

SPECIFIC GRAVITY (H₂O=1): 1.01

OTHER SOLUBILITIES: None Known

pH: 9.0

VOC CONTENT: 0 g/L

SECTION 10: STABILITY AND REACTIVITY**STABILITY:** Stable**CONDITIONS TO AVOID:** Protect from freezing**INCOMPATIBILITY (MATERIALS TO AVOID):** NA**HAZARDOUS DECOMPOSITION (BYPRODUCTS):** NA**HAZARDOUS POLYMERIZATION:** Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION**ROUTES OF ENTRY**

Inhalation? Yes Skin? Yes Ingestion? Yes Eyes? Yes

HEALTH HAZARDS**ACUTE TOXICITY/EFFECTS:** Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. Ingestion may cause gastrointestinal disturbances. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.**Information on Polymer****Oral**

Type of value: LD50

Species: rat

Value: > 2,000 - 10,000 mg/kg

Inhalation

Type of value: ATE

Value: > 5 mg/l

Exposure time: 4 h

Determined for mist

Dermal

Type of value: ATE

Value: > 5,000 mg/kg

INHALATION: Breathing mist can cause irritation of nasal and respiratory passages**SKIN CONTACT:** May cause irritation*Information on: 2-aminoethanol**Species: rabbit**Result: Corrosive.**Method: OECD Guideline 404***INGESTION:** May cause gastrointestinal irritation, nausea, vomiting and diarrhea**EYE CONTACT:** May cause irritation, redness, tearing and blurred vision. Risk for serious damage to eyes.*Information on: 2-aminoethanol**Species: rabbit**Result: Irritant.**Method: OECD Guideline 405***GERM CELL MUTAGENICITY:** Based on available data, the classification criteria are not met.**CARCINOGENICITY:** Based on available data, the classification criteria are not met.

SECTION 11: TOXICOLOGICAL INFORMATION (CONTINUED)

REPRODUCTIVE TOXICITY: Based on available data, the classification criteria are not met.

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): No adverse effects were observed after repeated exposure in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

ASPIRATION HAZARD: Based on available data, the classification criteria are not met.

SYMPTOMS/INJURIES AFTER INHALATION: May cause respiratory tract irritation.

SYMPTOMS/INJURIES AFTER SKIN CONTACT: Based on available data, the classification criteria are not met.

SYMPTOMS/INJURIES AFTER EYE CONTACT: Causes serious eye damage. May cause burns in the presence of moisture. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

SYMPTOMS/INJURIES AFTER INGESTION: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

OTHER INFORMATION: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: ECOLOGICAL INFORMATION**Toxicity**

POLYMER (TRADE SECRET)	
EC50 Crustacean Toxicity	>100 mg/l (48 hr. Daphnia magna)
LC50 Fish Toxicity	>100 mg/L (96 hr. Brachydanio rerio)
ECr50 Algae Toxicity	>100 mg/L (72 hr. Scenedesmus subspicatus)

Persistence and degradability

No data available

Elimination information

Easily eliminated from water

Bioaccumulative potential

Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION**DOT Transportation Data (49 CFR 172.101):**

Shipping Name:	Not a Regulated Material
Hazard Class:	Non-Hazardous
ID No.:	NA
Packing Group:	NA
Label:	NA
Limited Quantity Exceptions:	NA
US Domestic Ground Shipments:	NA
Maritime Transport:	NA
Air Transport:	NA
Placards:	NA
National Motor Freight NMF-100-0:	Concrete Bonding Compound
	Item: 33960
	Class: 70

SECTION 15: REGULATORY INFORMATION**OSHA STATUS:** NA

SARA TITLE III: Section 312 Extremely Hazardous Substances: None
Section 311/312 Hazard Categories: This product does not contain hazardous ingredients identified as per 29 CFR 1910.1200.
Section 313 Toxic Chemicals: None

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product derived from the product should be classified as a hazardous waste.

CALIFORNIA PROPOSITION 65: The chemical(s) noted below are contained in this product and are known to the state of California to cause cancer, birth defects or other reproductive harm:

None Known

SECTION 16: OTHER INFORMATION**DATA SOURCES:** SDS prepared by US MIX Co. pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012**SDS REVISION DATE:** 5/7/2015**HMIS:** Health 1; Flammability 0; Reactivity; 0

Comments: This Safety Data Sheet and the information it contains are offered to you in good faith as accurate. We have reviewed any information contained in this datasheet, which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of this product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.