

MATERIAL SAFETY DATA SHEET

CityMix

Prepared according to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union standards.



1. PRODUCT IDENTIFICATION

<u>PRODUCT NAME:</u>	Re-Ad
<u>PRODUCT DESCRIPTION:</u>	Lightweight, granular, synthetic aggregate intended for blending with concrete, stucco, mortar and other cement based mixtures and products
<u>UN NUMBER:</u>	None
<u>U.N. DANGEROUS GOODS CLASS:</u>	Non-Regulated Material
<u>MANUFACTURER'S/SUPPLIER NAME:</u>	CityMix, Inc.
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2. HAZARD IDENTIFICATION

EU DANGEROUS PREPARATIONS DIRECTIVE (DPD) LABELING AND CLASSIFICATION: This product does not meet the definition of any hazard class, as defined by the European Union Council Directives 67/548/EEC, 1999/445/EC and (EC) 1272/2008.

EU HAZARD CLASSIFICATION PER DIRECTIVE 1272/2008/EC:

None

EU HAZARD CLASSIFICATION PER DIRECTIVE 1999/45/EC:

Classification: Not Applicable

Risk Phrases: Not Applicable

Safety Phrases: Not Applicable

Annex I Hazard Symbol: Not Applicable

This product is classified as an "article" according to Title 29 of the Code of Federal Regulations, OSHA Part 1910.1200. "Article means a manufactured item other than a fluid or particle, which is formed to a specific shape or design during manufacture which has end use function dependent in whole or in part upon its shape or design during end use, and which under normal conditions of use does not release more than very small quantities or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees."

This product is odorless, stable, and poses no immediate hazard to health. However may release dust due to aggressive grinding, sanding or agitation, or toxic fumes when heated to decomposition.

HAZARDS DISCLOSURE: This product does not contain known hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product does not contain known hazardous materials.

EMERGENCY OVERVIEW: This product is expanded polystyrene pellets sized to smaller than 3/16" with no odor. It does not contain chlorofluorocarbons or hydro fluorocarbons.

Health Hazards: This product does not pose any known health hazards in its finished state. However, may release dust due to aggressive grinding, sanding or agitation, or toxic fumes when heated to decomposition.

Flammability Hazards: This product is not considered flammable, but will burn when exposed to high flame.

Reactivity Hazards: None

Environmental Hazards: None

Emergency Considerations: Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

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3. COMPOSITION and INFORMATION ON INGREDIENTS

Hazardous Ingredients:	CAS #	EINECS #	Percentage by Volume	Hazard Symbol; Risk Phrases
Expanded Polystyrene Sealed Pellets	9003-53-6	500-008-9	>99%	HAZARD CLASSIFICATION: NONE RISK PHRASES: NONE
Each of the other components present are less than 1 percent concentration (0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens)				

ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

4. FIRST-AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to health professional with contaminated individual.

SKIN EXPOSURE: Not expected as a result of exposure to finished product. If handling this product wash with soap and water after handling or before eating or smoking.

EYE EXPOSURE: Not expected as a result of exposure to finished product.

INHALATION: Not expected as a result of exposure to finished product. If breathing becomes difficult remove contaminated individual to fresh air. Seek medical attention.

INGESTION: This product is not expected to cause any situation which could lead to ingestion

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate overexposure.

5. FIRE-FIGHTING MEASURES

FLASH POINT: Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable

FLAMMABLE LIMITS (in air by volume, %): Lower NA Upper NA

FIRE EXTINGUISHING MATERIALS: Use fire extinguishing materials appropriate for surrounding fire including water spray (for cooling), dry extinguishing media, carbon dioxide, foam.

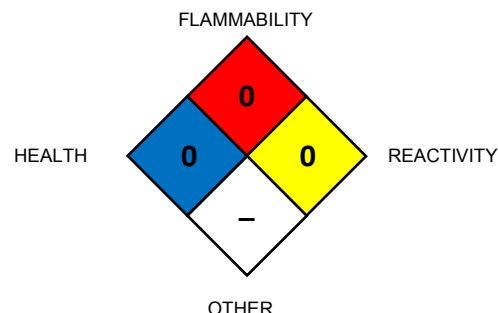
UNUSUAL FIRE AND EXPLOSION HAZARDS: Product contains EPS, which is not considered flammable, but will burn when exposed to high flame. Concentrated dust or escaping vapors may present risk of explosion.

Explosion Sensitivity to Mechanical Impact: Not Sensitive

Explosion Sensitivity to Static Discharge: Not Sensitive

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING



Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate
3 = Serious 4 = Severe

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Good housekeeping should be observed to maintain clean work surfaces. Material can be swept or picked up and placed into a suitable container for disposal. Spills may present a slipping hazard and may present risk of explosion or fire if exposed to high temperatures and/or sources of ignition.

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7. HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: Use appropriate personal protective equipment during handling. Protect against physical damage. Observe good hygiene practices.

STORAGE AND HANDLING PRACTICES: Product should be stored in sealed containers located in a cool, dry, well-ventilated environment and protected from sources of ignition.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation to control airborne dust.

EXPOSURE LIMITS/GUIDELINES:

<u>Chemical Name</u>	<u>ACGIH-TLV's</u>	<u>OSHA PEL's</u>	<u>WEEL</u>
Expanded Polystyrene Sealed Pellets	10 mg/m ³ Total Dust	15 mg/m ³ Total Dust	Not Listed

Currently, International exposure limits are established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Respiratory protection is not normally needed for this product. If dust is generated, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states. Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under U.S. Federal OSHA's Respiratory Protection Standard (1910.134-1998) or the regulations of various U.S. States, Canada, EU Member States, or those of Japan. Air-purifying respirators with dust/mist/fume filters are recommended if operations may produce mists or sprays from this product.

EYE PROTECTION: Not normally needed for this product. If dust is generated, use safety glasses or goggles. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

SKIN PROTECTION: Not normally needed for this product. If dust is generated use gloves to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

9. PHYSICAL and CHEMICAL PROPERTIES

VAPOR DENSITY: Not Applicable

PECIFIC GRAVITY @ 20°C: 0.066 – 0.069 (water=1)

VAPOR PRESSURE, mm Hg @ 20°C (68°F): Not Applicable

ODOR THRESHOLD: No Odor

APPEARANCE, ODOR and COLOR: Grey pellet no odor

EVAPORATION RATE (n-BuAc=1): Not Applicable

MELTING POINT: Softens at 175°F - 220°F

pH: Not Applicable

SOLUBILITY: Insoluble

10. STABILITY and REACTIVITY

STABILITY: Stable.

DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide, carbon, water, hydrogen halides EPS particles and trace coating materials under thermal decomposition are toxic and may include oxides of carbon, irritating gases, styrene and other toxic gases.

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Will dissolve in most organic solvents.

POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur.

CONDITIONS TO AVOID: Physical damage, intense heat and incompatible materials.

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11. TOXICOLOGICAL INFORMATION

TOXICITY DATA:

TOXICITY DATA: Toxicity data is not available:
No LD 50 Data Available

SUSPECTED CANCER AGENT: The components of this product are not listed by agencies tracking the carcinogenic potential of chemical compounds and as a result should not be considered as such

IRRITANCY OF PRODUCT: Dust from this product can be irritating to skin, eyes and respiratory tract.

SENSITIZATION TO THE PRODUCT: This product is not considered a sensitizer.

REPRODUCTIVE TOXICITY INFORMATION: The components of this product are not reported to produce reproductive effects in humans.

12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

PERSISTENCE/DEGRADABILITY: No data for this product.

ENVIRONMENTAL STABILITY: Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways

BIOACCUMULATION/ACCUMULATION: Not applicable for this product.

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

14. TRANSPORTATION INFORMATION

US DOT; IATA; IMO; ADR:

THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

PROPER SHIPPING NAME: Non-Regulated Material

HAZARD CLASS NUMBER and DESCRIPTION: None

UN IDENTIFICATION NUMBER: None

PACKING GROUP: None

DOT LABEL(S) REQUIRED: None

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004): None

MARINE POLLUTANT: None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:

This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:

This product is not classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

This product is not classified as Dangerous Goods, by rules of IATA: See special instructions

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:

This product is not classified as Dangerous Goods by the International Maritime Organization.

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15. REGULATORY INFORMATION

UNITED STATES REGULATIONS:

U.S. SARA REPORTING REQUIREMENTS: The components of these products are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act. None.

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for any component of these products. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None.

U.S. TSCA INVENTORY STATUS: The components of these products are listed in the TSCA Inventory.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): The following components present in this product are on the California Proposition 65 list. None

CANADIAN REGULATIONS:

CANADIAN DSL/NDL INVENTORY STATUS: The components of this product are on the DSL Inventory.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: A component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: Not Controlled as a finished product.

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

See section 2

AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: The components of this product are listed on the AICS.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

16. OTHER INFORMATION

PREPARED BY: Paul Eigbrett

MSDS Authoring Services

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