



Cooling for Comfort, Safety, & Performance

Raw Infill Material Specifications for Pretreated T°Cool Infill

Raw Infill Material: Crumb rubber Granules from recycled tires
 Particle size distribution: 10 - 20 Mesh
 Bulk density: 30 Pounds Cubic Foot (PCF)
 Delivered to: Super Sack Bulk Bags

T°Cool Product Specifications	
100% Discreet Rubber Granules no inter-particle adhesion	T°Cool™ Cured Polymer Film adds minimum. 005% bulk density to rubber granules and maximum of .01% bulk density
T°Cool™ Coated rubber batch contains 0% moisture and contains minimal rubber dust	When fully hydrated and free water removed coated T°Cool™ coated rubber granules holds minimum 5% moisture add on by weight
T°Cool™ Cured Polymer film covers > 95% of surface area of rubber granule	Add on moisture remains above 35% after at least 5 consecutive mesh bag tests.
T°Cool™ Cured Polymer film encapsulates rubber particle	T°Cool™ Cured rubber is tested at agreed upon parameters as it exits drying curing phase.

MATERIAL SAFETY DATA SHEET

REVISION DATE: 10-23-2014

SUPERSEDES: 11-11-2011

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY INFORMATION

Tatro Inc
3203 Jenny Lind
Amelia, Ohio 45102

Medical Emergency Phone Number (24 Hours): 1-888-853-1758
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

PRODUCT INFORMATION

PRODUCT NUMBER: T°Cool
PRODUCT DESCRIPTION: Synthetic polymer
PRODUCT IDENTIFIER: 830432PM

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL STATE: Liquid
COLOR: White
ODOR: Sweet

POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY

EYE: No irritation hazard in normal industrial use.

SKIN: No irritation hazard in normal industrial use.

INHALATION: No data available.

INGESTION: Ingestion is not an anticipated route of exposure. No hazard in normal industrial use.

LONG-TERM (CHRONIC) HEALTH EFFECTS

REPRODUCTIVE: No data available.
CHRONIC: No data available.
TARGET ORGAN(S): No organs known to be damaged from exposure to this product.

REGULATED CARCINOGEN STATUS:

Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed carcinogens.

EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: No medical conditions affected by exposure.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	PERCENT
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Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for exposure limit guidelines.

SECTION 4: FIRST AID MEASURES

IF IN EYES: None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.

IF ON SKIN: Wash with soap and water.

IF VAPORS INHALED: Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure.

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IF SWALLOWED: Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT:	Non flammable
AUTOIGNITION TEMPERATURE:	Not established
LOWER EXPLOSIVE LIMIT (% in air):	Not established
UPPER EXPLOSIVE LIMIT (% in air):	Not established
EXTINGUISHING MEDIA:	Use water spray, foam, dry chemical or carbon dioxide.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	There is a possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.
SPECIAL FIRE FIGHTING INSTRUCTIONS:	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon dioxide, Carbon monoxide Nitrogen containing gases

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION:	No adverse health effects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section 8 of this MSDS.
CLEAN-UP:	Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems.

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

SECTION 7: HANDLING AND STORAGE

Handling: No special handling instructions due to toxicity.

Storage: Store in a cool, dry place.
Consult the Technical Data Sheet for specific storage instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION:	Wear safety glasses when handling this product.
SKIN PROTECTION:	Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
GLOVES:	Not normally required. Use nitrile gloves if conditions warrant.
RESPIRATORY PROTECTION:	No respiratory protection required under normal conditions of use. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).
VENTILATION:	No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use.

EXPOSURE LIMITS:

Chemical Name	ACGIH EXPOSURE LIMITS	OSHA PEL
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Substances requirements.

KOREAN TCCL: This product is in compliance with the Korean Existing Chemicals List requirements.

CHINA: This product is in compliance with the Inventory of Existing Chemical Substances in China (IECSC) requirements.

This product may contain chemical substances that are regulated for export by various government agencies (such as the Environmental Protection Agency, the Bureau of Industry and Security, or the Drug Enforcement Administration, among others). Before exporting this product from the USA or Canada, we recommend you contact us at 651-236-5858 (USA) or 450-651-5498 x4 (Canada) to request an export review.

FEDERAL REPORTING

EPA SARA Title III Section 313

Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

Chemical Name	CAS#	%
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WHMIS STATUS: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System.

STATE REPORTING

Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986:

Unless listed below, this product does not contain known levels of any chemical known to the State of California to cause cancer or reproductive harm.

Chemical Name/List	CAS	Percent
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SECTION 16: ADDITIONAL INFORMATION

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

HMIS RATING: HEALTH -- 0 FLAMMABILITY -- 0 REACTIVITY -- 0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

Prepared by: The Global Regulatory Department

Phone: 651-236-5842

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
COLOR:	White
ODOR:	Sweet
ODOR THRESHOLD:	Not established
WEIGHT PER GALLON (lbs.):	9.20
SPECIFIC GRAVITY:	1.100
SOLIDS (% by weight):	24.0
pH:	4.1
FLASH POINT:	Non flammable
BOILING POINT (deg. C):	Not established
FREEZING/MELTING POINT (deg. C):	Not established
VAPOR PRESSURE (mm Hg):	Not established
VAPOR DENSITY:	Not established
EVAPORATION RATE:	Not established
OCTANOL/WATER COEFFICIENT:	Not established
VOC, weight percent	0.00

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions.
CHEMICAL INCOMPATIBILITY:	Not established
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	Nitrogen containing gases Carbon monoxide, carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

COMPONENT	LD50 ORAL	LC50 INHALATION	LD50 DERMAL
TOXICOLOGY SUMMARY:	No additional health information available.		

SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available for this product.

SECTION 13: DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements.

SECTION 14: TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information.

DOT: NOT REGULATED
IATA: NOT REGULATED

SECTION 15: REGULATORY INFORMATION

INVENTORY STATUS

U.S. EPA TSCA:	This product is in compliance with the Toxic Substances Control Act's Inventory requirements.
CANADIAN CEPA DSL:	The components of this product are included on the DSL or are exempt from DSL requirements.
EUROPEAN REACH:	As a result of the introduction of REACH into Europe, this product cannot be imported into Europe unless the REACH requirements are met.
AUSTRALIA AICS:	This product is in compliance with the Australian Inventory of Chemical



Fairmount Minerals produces the cleanest, highest quality play sand offered. Fairmount likes to refer to it as 100% clean, pure and fun! The smooth grains are thoroughly washed and dried to remove all contaminants and dirt. In addition to the kids sand box, this sand is also satisfies recreational needs, such as tennis courts, ball fields, golf course bunkers and greens as well as the construction of natural or synthetic athletic fields.

Our sand is a high purity silica sand (>99.5%). Silica is one of the most abundant elements in the earth's crust. Due to its abundance, any sand that is available for consumer purchase will contain some percentage of silica. Many everyday items contain various forms of silica (cosmetics, toothpaste, cleaners, drywall, cement, etc.).

Our sand is thoroughly washed, without the addition of any chemical agents, to remove ultra fine particles, silts and clays from the process. We also have multiple staged dust collection through out the facility to further eliminate ultra fine particles from our products. The individual sand grains in our product are very hard and are resistant to physical breakdown to a respiratory size.

100% pure washed and dried quartz

100% non-toxic

100% asbestos-free

UV Resistant

Will not bleed or stain clothes

Safest Regards,

Robert E. Carlson
Director of Health & Safety
Fairmount Minerals, Ltd.

Tatro Inc.
3203 Jenny Lind Road
Amelia, Ohio
45102

VOC / HAP PRODUCT DATA SHEET

Date:	24-Apr-15
Contact:	Jacob Tetrault
Telephone:	513-679-1519
Product Name	TatroX
VOC (weight % as supplied)*:	0%
Solids (weight %):	24%
Product Specific Gravity (ASTM D-1475):	1.1

HAPS Component**	CAS #	Weight Percent %
No Reportable HAPs		
Total of all HAPS		0%

* The VOC information presented here is either measured using EPA Method 24 (40 CFR 60 Appendix A), per composition data as reported to us by the supplier (40 CFR 63.827(b)), or by testing under worst case conditions for the intended application use. Variations in actual application and cure methods may change the reportable VOC emissions significantly.

**HAP information presented here is based on composition disclosures from our raw material suppliers, prior to processing, in our manufacturing facilities. We do not routinely quantitatively analyze for HAP constituents in our finished products. We will report the upper limit of all HAPs, of which we are aware, down to the National Emission Standards (NESHAP) reporting limit.