

MATERIAL SAFETY DATA SHEET

CM 3030 Extendspheres® TG Ceramic Microspheres

SECTION 1.	IDENTIFICATION OF PRODUCT
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MANUFACTURER Adurel International Inc
 ADDRESS 820 Water St Racine WI 53403
 EMERGENCY TELEPHONE NUMBER .. 262-770-0845
 SALES NAME CM 3030 Extendspheres® TG Ceramic Microspheres
 CHEMICAL NAME Contains up to 5% crystalline silica, mullite, and glass
 TSCA CAS REGISTRY Nos This product is a mixture under TSCA. CAS Nos. of principal constituents are 14808-60-7, 1302-93-8, 65997-17-3
 DOT HAZARD CLASS N.A.
 DOT SHIPPING NAME N.A.

SECTION 2.	CHEMICAL AND PHYSICAL DATA
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APPEARANCE & ODOR Gray powder. Odorless.
 SPECIFIC GRAVITY (liquids only) N.A.
 BULK DENSITY 0.4 g/cc
 SOLUBILITY IN WATER Negligible.
 pH. N.A.

SECTION 3.	FIRE, EXPLOSION AND REACTIVITY HAZARD DATA
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FLASH POINT (°F) Noncombustible
 SPECIAL FIRE FIGHTING PROCEDURES N.A.
 STABILITY Stable.
 CONDITIONS TO AVOID None known.
 INCOMPATIBILITY (Materials to Avoid) None known.
 HAZARDOUS DECOMPOSITION PRODUCTS ... None.

SECTION 4.	SPILLS AND DISPOSAL
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ENVIRONMENTAL HAZARDS None known. Not a listed toxic chemical under SARA Title III, §302, §304, or §313.
 SPILLAGE Sweep, scoop, or vacuum and remove.
 WASTE DISPOSAL METHOD Landfill according to local, state, and federal regulations.
 Disposed material is not a RCRA hazardous waste.

N.A. = Not Applicable

SECTION 5.	HEALTH HAZARD DATA
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EYE CONTACT.....May cause irritation or abrasion.
 SKIN CONTACT.....May cause dehydration and irritation.
 INHALATION.....Repeated exposure may cause delayed lung injury (silicosis, cancer).
 INGESTION.....May cause irritation.
 CHRONIC HAZARDS.....Contains a small amount of crystalline silica (5% or less) which is listed as a carcinogen by IARC, and silica, crystalline (respirable) is listed by NTP as a carcinogen. Not listed by OSHA as a carcinogen.

SIGNS AND SYMPTOMS OF EXPOSURE.Sneezing and dryness of mucous membranes (inhalation). Redness and tearing (eye exposure). Dryness, itching or burning (skin exposure).

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE.....Asthma and lung diseases.
FIRST AID PROCEDURES.....In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SECTION 6.	SPECIAL PROTECTION INFORMATION
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RESPIRATORY PROTECTION Use NIOSH-certified dust respirator where dust occurs. Observe OSHA regulations for respirator use (29 CFR 1910.134).
GLOVES..... Cotton gloves are usually sufficient to protect hands from irritation arising from handling this product.
EYE PROTECTION Chemical goggles.
OTHER PROTECTIVE EQUIPMENT Safety shower and eyewash fountain should be within direct access.
PERSONAL HYGIENE Avoid breathing dust. Wash thoroughly after handling.
ENGINEERING CONTROL..... Avoid grinding, milling, or otherwise generating respirable dust. Keep container closed. Use only with adequate ventilation.

SECTION 7.	SUBSTANCES FOR WHICH STANDARDS HAVE BEEN SET
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COMPONENT..... Crystalline silica (quartz)
PERCENT..... 5% or less
OSHA PEL..... 30 mg/m³ ÷(%SiO₂ +2) Total dust
 10 mg/m³ ÷(%SiO₂ +2) Respirable dust
ACGIH TLV..... 0.1 mg/m³ TWA
EXPOSURE ANALYSIS METHODS..... NIOSH Manual of Analytical Methods, 4th ed., Method 7500

SECTION 8.	SOURCE OF INFORMATION
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John G. Blumberg

Date: 03/02/00