

MATERIAL SAFETY DATA SHEET

MSDS # 1627 – LIMESTONE, FILLER

Section I: PRODUCT INFORMATION					
Material Name/Identifier:		LIMESTONE, FILLER			
Manufacturer/Supplier's Name:		IKO Industries Ltd. PO Box 839, 105084 Hwy 7 West Madoc, Ontario K0K 2K0 Canada			
Emergency Tel. No.:		(905) 457-2880 ext. 3354			
Product Use:		Asphalt, roofing shingles			
Section II: IDENTIFICATION					
CHEMICAL NAME Limestone		CHEMICAL FORMULA CaCO ₃		MOLECULAR WEIGHT Not Applicable	
TRADE NAME/SYNONYMS Calcium Carbonate, Pulverized Limestone, Ground Limestone, Ground Calcium Carbonate, GCC			DOT IDENTIFICATION NO. Not Restricted		
Section III: PRODUCT AND COMPONENT DATA					
COMPONENT(S) CHEMICAL NAME Calcium Carbonate Silica (concentrations of less than 1.5%)			CAS REGISTRY NO. 1317-65-3 14808-60-7		
% APPROXIMATE CaCO ₃ 95-100 Silica less than 1.5%		ACGIH TLV-TLW See Section VII		OSHA PEL See Section VII	
Section IV: PHYSICAL DATA			Section V: REACTIVE DATA		
APPEARANCE & ODOR White, Odorless Grains		SPECIFIC GRAVITY 2.71		STABILITY Stable	
BOILING POINT N/A		VAPOR DENSITY (AIR=1) N/A		CONDITIONS TO AVOID None Known	
VAPOR PRESSURE N/A		% VOLATILE, BY VOLUME N/A		INCOMPATIBILITY (Materials to Avoid) None Known	
EVAPORATION RATE N/A		SOLUBILITY IN WATER Insoluble		HAZARDOUS DECOMPOSITION PRODUCTS Respirable dust may be generated by handling and may contain a small amount of silica	
HAZARDOUS POLYMERIZATION Will not occur					
Section VI: FIRE AND EXPLOSION DATA					
FLASHPOINT (Method Used) Not flammable			FLAMMABLE LIMITS IN AIR Not flammable		
EXTINGUISHING AGENTS None required			UNUSUAL FIRE & EXPLOSION HAZARDS None known		
Section VII: TOXICITY AND FIRST AID					
EXPOSURE LIMITS (When exposure to this and other chemicals is concurrent, the exposure limit must be defined in the workplace) Unless specified otherwise, limits are expressed as Milligrams of Substance per Cubic Meter of Air					
ACGIH-TLV		OSHA			
CaCO ₃ 10.0 for Total Dust / 5.0 for Respirable Dust Silica 0.1 mg/m ₃ TWA For Respirable Dust		15.0 for Total Dust / 5.0 for Respirable Dust 10/(%Quartz + 2) PEL For Respirable Dust		TLV=Threshold Limit Value TWA – Time Weighted Average	
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE Nuisance Dusts have little adverse effect on lungs and do not produce significant organic disease or toxic effects when exposures are kept below occupational exposure limits.					
PRIMARY ROUTES OF EXPOSURE:		INHALATION	X	SKIN	
ACUTE TOXICITY Exposure to dust may irritate respiratory system, eyes and skin					
Contact No adverse effects					

MATERIAL SAFETY DATA SHEET

MSDS # 1627 – LIMESTONE, FILLER

Eye Contact May cause irritation if exposed to large amounts of dust			
Skin Absorption No adverse effects			
Ingestion Non-hazardous			
FIRST AID Dust in Eyes..... Flush with water. Contact a Physician if irritation persists or later develops.			
Dust on Previously Irritated Skin..... Wash with soap and water. Contact a Physician if irritation is aggravated.			
Dust Inhalation..... Remove to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a Physician if irritation persists or later develops.			
CHRONIC TOXICITY Effect and hazards of chronic exposure: There is no reported health effects associated with repeated or prolonged exposure to pure calcium carbonate. Overexposure to calcium carbonate dust may increase the risk of developing pneumoconiosis (lung disease). Being a naturally occurring mineral, these products contain minimal amounts of crystalline silica as an impurity. Prolonged exposure to respirable crystalline silica at levels above the occupational exposure limits may increase the risk of developing silicosis. IARC has classified crystalline silica as a Class 1 human carcinogen.			
Section VIII: PERSONAL PROTECTION AND CONTROLS			
HMIS RATING SYSTEM		C.A.S. No. 1317-65-3	
HEALTH HAZARD 0* No acute effects	FLAMMABILITY HAZARD 0	REACTIVITY HAZARD 0	MAXIMUM PERSONAL PROTECTION A
RESPIRATORY PROTECTION NIOSH-MSHA approved dust respirators for conditions where dust levels exceed or are likely to exceed appropriate exposure limits. Respirator use must comply with applicable MSHA or OSHA standards, which include provisions for a user training program, respirator fit testing and other requirements.			
VENTILATION Local exhaust or general ventilation adequate to maintain exposures below appropriate exposure limits.			
SKIN PROTECTION See HYGIENE section below			
EYE PROTECTION Safety glasses with side shields should be worn as minimum protection. Dust goggles should be worn when excessively (visible) dusty conditions are present or anticipated.			
HYGIENE Wash dust exposed skin with soap and water. Wash work clothes after each use. Sweep up spills and keep work area clean.			
OTHER CONTROL MEASURES Respirable dust levels should be monitored regularly when appropriate exposure limits are likely to be exceeded.			
Section IX: STORAGE AND HANDLING PRECAUTIONS			
Respirable Dust may be generated during processing, handling and storage. The controls identified in Section VIII of this MSDS should be applied as appropriate. Suggest storage or warehousing in a dry area.			
Section X: SPILL, LEAK AND DISPOSAL PRACTICES			
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED The controls identified in Section VIII of this MSDA should be applied as appropriate. Spilled materials, where dust can be generated, may over expose cleanup personnel to respirable dust. Wetting of spilled materials and/or use of respiratory protective equipment (dust masks) may be necessary. None of the components in this product are subject to the reporting requirements of <i>Title III of SARA 1986 and 40 CFR 261</i> .			
WASTE DISPOSAL METHOD Dispose of this material only in accordance with applicable Federal, State, and Local Laws and regulations. Pickup and reuse clean materials. Limestone makes an excellent neutralizer for spilled acids. Material may be spread on lawns or fields to promote plant growth.			

MATERIAL SAFETY DATA SHEET

MSDS # 1627 – LIMESTONE, FILLER

Section XI: TRANSPORTATION	
DOT HAZARD CLASSIFICATION None	PLACARD REQUIRED None
LABEL REQUIRED Label is required by the OSHA Hazard Communications Standard (29 CFR 191.1200[F]) and applicable State and Local regulations.	
FOR FURTHER INFORMATION CONTACT: IKO Industries Ltd. Tel: (905) 457-2880 Ext 3354 Attention: HSE Department Issued: August 3, 2015	
The information contained in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any representation of warranty, express or implied, regarding the accuracy or correctness. The conditions or methods of handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of, or in any way connected with handling, storage, use or disposal of the products.	