

MATERIAL SAFETY DATA SHEET

DUQUESNE REFRACTORIES

Product Name DUKAST EXTRA LIGHT WEIGHT		PAGE 2 OF 3	
SECTION III - PHYSICAL DATA			
Physical State	Gas	Liquid	Solid <u>X</u>
Vapour Pressure (mm Hg)	N/A	Odour Threshold (ppm)	N/A
Vapour Density (air=1)	N/A	Specific Gravity	Approx 1.0
pH	N/A	Evaporation Rate	N/A
Boiling Pt (°C)	N/A	Freezing Pt (°C)	N/A
% Volatile (by volume)	N/A	Solubility in Water (@ 20°C)	N/A
Coefficient of Oil/Water Distribution		N/A	
Odour/Appearance Odourless, grey-brown powder with white granules			
SECTION IV - FIRE AND EXPLOSION DATA			
Flammability? if yes state conditions		Yes	No <u>X</u>
Flashpoint (°C) & Method		N/A	
Upper Explosion Limit (% by volume)	N/A	Special Procedures	None
Lower Explosion Limit (% by volume)	N/A	Auto Ignition Temp (°C)	N/A
Explosive Power	N/A	Means of Extinction	None
Hazardous Combustion Products	None	Rate of Burning	N/A
Sensitivity to Impact	None	Sensitivity to Static Discharge	None
SECTION V - REACTIVITY DATA			
Chemical Stability? If no, state conditions		Yes <u>X</u>	No
Incompatibility? Yes No <u>X</u> (Specify)			
Reactivity and under what conditions		This material will harden and produce heat when water is added in normal quantities	
Hazardous Decomposition Products		None	
SECTION VI - TOXICOLOGICAL PROPERTIES			
Route of Entry	Inhalation Acute <u>X</u> Skin Contact <u>X</u>	Eye Contact <u>X</u> Ingestion <u>X</u>	Inhalation Chronic <u>X</u> Skin Absorption
Effects of Acute Exposure Irritation to throat and eyes, dry skin and possible alkali burns			
Effects of Chronic Exposure Eye and throat irritation, possible allergic dermatitis, excessive inhalation of dust may reduce breathing capacity and could lead to silicosis			
LD ₅₀ of Product (Species & Route) Not Established			
LC ₅₀ of Product (Species) Not Established			

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SECTION VI - TOXICOLOGICAL PROPERTIES (CONT'D)	PAGE 3 OF 3
Exposure Limits	Not established
Irritancy	Possible on contact
Sensitization	Possible on contact
Synergistic Materials	None Known
Carcinogenicity <u> X </u>	Reproductive Effects
Teratogenicity	Mutagenicity
SECTION VII - PREVENTIVE MEASURES	
Gloves	Rubber or nylon if exposed to wet cement
Eye	Safety glasses or goggles
Footwear	As required in the workplace
Clothing	To prevent skin contact
Respiratory	NIOSH approved dust respirator
Other	Barrier cream if skin is unusually sensitive
Engineering Controls	Ventilation is required if dust is generated by handling during installation of this material or tearout of the used product
Leak & Spill Procedure	Gather into an appropriately sized container
Waste Disposal	Dispose at any authorized landfill site according to local regulations
Handling Procedures & Equipment	Handle gently to minimize generation of dust
Shipping & Storage Requirements	Keep containers intact in a dry location to maintain physical stability
SECTION VIII - FIRST AID MEASURES	
General	Avoid inhalation of dust and skin or eye contact with wet cement
Skin	Wash thoroughly with water, if irritation persists, consult a physician
Eye	Flush with plenty of water, if irritation persists consult a physician
Inhalation	Move to fresh air, if difficulty persists consult a physician
Ingestion	Drink plenty of water, if difficulty persists consult a physician, do not induce vomiting
SECTION IX - PREPARATION OF MSDS	
Sources Used	Dangerous Properties of Industrial Materials by N.I. Sax
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