



IXPER[®] 70C Calcium Peroxide granules are used for enhanced aerobic bioremediation. This is a process in which organic contaminants found in soil and/or groundwater are degraded by indigenous or inoculated microorganisms transforming them to innocuous end products. This product can be used to degrade a variety of contaminants including petrochemical spills and other aerobic biodegradable compounds.

CHEMICAL/PHYSICAL DATA

Assay	>70% as CaO ₂
Formula	CaO ₂
Formula Weight	72.1 g/mol
Form	Granular
Diameter	500-2000 microns
Available Oxygen	16% ± 0.4
pH (25% suspension)	>11
Bulk Density	500 kg/m ³
Decomposition	>275° C / 527° F

DESCRIPTION

IXPER 70C Calcium Peroxide is a light yellow, odorless, granular product that contains primarily calcium peroxide.

APPLICATIONS

IXPER 70C Calcium Peroxide is used for enhanced aerobic bioremediation for treatment of: BTEX (benzene, toluene, ethylbenzene and xylenes), MTBE (methyl tertiary butyl ether), TPH (total petroleum hydrocarbons) from light and heavy fuel oils, non-halogenated volatile solvents, such as methylethylketone, methanol, ethanol, acetone, ethyl acetate, acetonitrile, tert-butyl alcohol, phenols, PAHs (polycyclic aromatic hydrocarbons), some halogenated compounds, such as vinyl chloride, chlorobenzenes, high explosives. IXPER 70C Calcium Peroxide is suitable for projects involving the excavation of contaminated soils, where it is used to line pits before clean soil is introduced, *ex situ* soil remediation, *in situ* treatment of shallow contaminated soils, or as a reactive barrier.

SHIPPING CONTAINERS

50-kg drum (110.232-lb), made of lined cardboard, weighs 6.2 lbs (2.8 kg). Outside diameter 14.6 in (37 cm) and outside height 18 in (1.8 cm). (Domestic and international)

HANDLING, STORAGE, AND INCOMPATIBILITY

Store containers in a dry location away from heat and out of direct sunlight in original containers and at temperatures less than 40° C (104° F). Store in an area away from acids, bases, metals, metal salts, reducing agents, organic materials or flammable substances. Never return unused product to the storage container.

Equipment used for handling this material should be made of plastic, stoneware, glass or stainless steel. Enamelled or resin-coated equipment is also suitable. Copper and copper alloys should be avoided. Holding equipment must be adequately vented to prevent any pressure buildup in the event of product decomposition.

Fires may be controlled and extinguished by using large quantities of water. Refer to the SDS or eSDS for more information. For first aid measures, refer to the SDS or eSDS for more information.

SHIPPING

IXPER 70C Calcium Peroxide is classified by the Hazardous Materials Transportation Board (HMTB) as an oxidizer.

Proper Shipping Name:	Calcium Peroxide
Hazard Class:	Oxidizer (5.1)
Identification Number:	UN 1457
Label Requirements:	Oxidizer
RCRA Waste Number:	D001, ignitable