



IXPER<sup>®</sup> 75C Calcium Peroxide is 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

<b>Assay</b>	>75% as CaO <sub>2</sub>
<b>Formula</b>	CaO <sub>2</sub>
<b>Formula Weight</b>	72.08 g/mol
<b>Form</b>	Fine powder
<b>Solubility in Water (20°C)</b>	<0.01%
<b>Particle Size</b>	
200 mesh (<74 microns)	>98%
625 mesh (<20 microns)	>50%
<b>Available Oxygen</b>	17.3% ± 0.4
<b>pH (25% suspension)</b>	>12
<b>Bulk Density</b>	450-550 kg/m <sup>3</sup>
<b>Decomposition</b>	>275°C / 527°F

## DESCRIPTION

IXPER 75C Calcium Peroxide is a fine, very pale yellow, odorless powder that contains primarily calcium peroxide.

## APPLICATIONS

IXPER 75C 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.

## SHIPPING CONTAINERS

**25-kg box** (55.116-lb) net, made of lined cardboard, weighs 3.5 lbs (1.6 kg). Dimensions are 13.9 in (35.4 cm) by 13.9 in (35.4 cm) by 17.7 in (45 cm). (Domestic and international)

**400-kg bag** (880-lb) net, made of flexible IBC (Intermediate Bulk Container) inner liner inside cardboard box. Dimensions of IBC are 35.4 in (90 cm) by 35.4 in (90 cm) by 47.2 in (120 cm). Dimensions of box are 39.8 in (101 cm) by 39.8 in (101 cm) by 35.8 in (91 cm). Standard lead time is 10-14 weeks. (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 MSDS or eSDS for more information. For first aid measures, refer to the MSDS or eSDS for more information.

## SHIPPING

IXPER 75C Calcium Peroxide is classified by the Hazardous Materials Transportation Board (HMTB) as an oxidizer.

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