

MATERIAL INFORMATION SHEET

PRODUCT

**Catch-All Brand
Filter-Drier Cores**

MANUFACTURER

Sporlan Valve Company
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PRODUCT DESCRIPTION

"Catch-All" is the Sporlan trade name for their filter-driers and filter-drier cores used to remove contaminants from the circulating refrigerant on refrigeration and air conditioning systems. All Catch-Alls utilize a solid filter core molded from desiccant granules, and held together in block form with an inorganic or organic binder.

This data sheet relates entirely to the Catch-All core. Replaceable cores are packaged for sale in sealed metal cans with type numbers as follows: RC-4267, RCW-42, RC-4864, RC-4864-HH, RCW-48, RCW-57, RCW-100, RC-10098, RCW-10098-HH. These cores fit into flanged steel Catch-All shells with typical type numbers as follows: C-485, C-967, C-1449, C-19211, C-30013, C-40017 and C-R424.

The RC-039 replaceable core, packaged for sale in a sealed plastic container, fits into a flanged steel Catch-All shell with a typical number of C-R03E2.

Catch-All cores are also used in sealed model filter-driers. In this application the cores are enclosed in a welded steel shell. Cores for this application are not available as a separate item. Typical type numbers of these sealed model Catch-Alls are: C-032, C-052, C-083, C-164, C-304, C-415, and C-607-S.

HAZARDOUS DESCRIPTION

To the best of our knowledge, none of the ingredients used in Catch-All cores are considered hazardous.

The ingredients of the core are as follows:

Major constituent - Activated alumina (aluminum oxide), partly hydrated.

Secondary constituent - Molecular sieve 4A/3A (sodium/potassium aluminum silicate).

Secondary constituent - Activated Carbon (activated charcoal).

Minor constituent - Proprietary binder.

Minor constituent - Aluminum phosphate.

Trace constituent - Clay (kaolin).

These materials are furnished in a molded block form. If the block is crushed it is possible for the resulting powder to be considered a "nuisance" dust if present in ACGIH threshold limit values greater than 10 mg/cu. m.

PHYSICAL DATA

The core is a solid at all normal conditions. The core is odorless and is composed of grains that are colored white, buff, or black. Core material is abrasive.

Solubility in water: Insoluble

pH: N/A

Specific Gravity: 1.1 g/ml

Melting Point °F: N/A

Vapor Pressure: N/A

Percent Volatile: 0% at 220°F, 8% at 1700°F

FIRE AND EXPLOSION HAZARD DATA

The core material is normally nonflammable and does not involve any explosion hazard. Molded cores will burn if heated above 450°F in air.

HEALTH HAZARD DATA

Inhalation - low risk; Skin contact - negligible risk; Eye contact - low risk; Ingestion - low risk. Detailed health hazard information is not available, but the materials are not considered toxic (to the limit of our knowledge) and the risk should be considered low to negligible. The core material is not considered carcinogenic.

Effects of over exposure: N/A

Emergency First Aid Procedures: N/A

REACTIVITY DATA

The core is stable under all normal conditions, and no hazardous decomposition products are known to occur. Hazardous polymerization will not occur. The core will pick up water by a process of adsorption, and the core will get warm during water pickup.

SPILL OR LEAK PROCEDURES

Small amounts may be flushed away with water, mopped up, or swept up and disposed of in the same manner as conventional paper trash. No special procedures are required. Disposal should be handled according to local laws. However, spilled material need not be considered a hazardous waste.

SPECIAL PRECAUTIONS

Special protective equipment is not necessary for handling the Catch-All cores. No special precautions are necessary for storing. To open the metal can containing the Catch-All core, the tear strip on the side of the can should be opened cautiously using pliers to avoid being cut by the sharp metal edge of the tear strip.