



CAPABILITY STATEMENT

The supply requirements of miners and mineral processors are diverse and extensive. Fortunately, so are the resources of Filchem Australia. Filchem provides an extensive range of products ranging from activated clays and carbons, diatomaceous earth, frothers & flotation agents, release agents, collectors and flocculants.

FILCHEM Australia

PRODUCTS FOR THE MINING & MINERAL PROCESSING INDUSTRY

Filchem can assist across a range of processes including water and air treatment, mineral processing, extraction and purification, and filtration.

Our sales team in conjunction with our supply partners will ensure that we provide the right product for your process and application. Our range of products include:

FLOTATION AND FROTHING AGENTS

ACTIVATED CARBON

ACTIVATED CLAY

FILTER AID POWDERS

ION EXCHANGE RESINS

REVERSE OSMOSIS MEMBRANES

CARTRIDGE FILTERS

HEAVY METAL REMOVAL MEDIA

www.filchem.com.au



PRODUCT SHEET

MINERALS & MINERAL PROCESSING INDUSTRY

FLOTATION REAGENTS FROM FILCHEM

Froth Flotation

Filchem represent Nasaco for the supply of flotation reagents for mineral and coal processing plants. Nasaco have been a leading supplier of flotation reagents globally for over 25 years in Africa, Europe, Middle East, South America, Southeast Asia and Papua New Guinea.

Frothers

Filchem via Nasaco have a broad range of alcohol, glycol and glycol ether products. These frothers are marketed under the Nasfroth™ trade name.

Given the diverse nature of feed solids to a flotation plant frother optimisation through blending is often necessary to achieve optimum particle support and hydraulic transport to the launder. Filchem through its affiliate and local expertise can design a formulated frother for use in the flotation process.

As part of ongoing service tools such as MLA (Mineral Liberation Analysis) can be employed to assist in the diagnostic understanding of mineral liberation and help with collector and frother selection and provide recommendations for process improvements.

Collectors

A range of collector types are available through Filchem including:

- Dithiophosphates (short chain to long chain)
- Monothiophosphates
- Thionocarbamates

These collectors are marketed under the Nascol™ trade name.

It is often a requirement in order to obtain optimum collection that a blend of reagents are used. Collectors can exhibit synergistic performance when 2 or more collectors are blended – thereby improving recovery. Filchem through Nasaco also has a Nasmin additive for coal flotation. This additive when combined with the current plant collector can reduce the overall dose rate and improve coal yield contributing to favourable economics.



FILCHEM AUSTRALIA PTY LTD

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YOUR RELIABLE PARTNER FOR THE SUPPLY OF TECHNICALLY
SUPERIOR MINERALS & SPECIALTY CHEMICALS

PRODUCT SHEET

MINERALS & MINERAL PROCESSING INDUSTRY

ACTIVATED CARBON

Filchem are the exclusive distributors of Puragen Activated Carbon, including the extensive Oxpure range.

Filchem Australia partners with Puragen to deliver excellent customer service, technical support and competitive pricing. This includes a specialised Oxpure Activated Carbon for the treatment of water contaminated with PFAS.

Filchem stocks a range of activated carbon grades in powdered, granular, or extruded pellet forms. Ideal for use across a wide spectrum of applications including air and water treatment, food, wine and beverage, mineral processing and environmental management and remediation.

High Quality Sourcing & Manufacture

Puragen Activated Carbons are manufactured to ensure the specific adsorption qualities required for performance in their relevant applications. Puragen Activated Carbon is produced from selected grades of raw material (either coal, wood, or coconut shell) and is manufactured to tight specifications to give the desired pore structure, surface area, and hardness, for superior removal of contaminants.

To support our customers, Filchem and Puragen provide extensive technical support, backup and advice on the specific requirements for your individual application. They also have a number of unique products for specialty applications. Together, Filchem and Puragen Activated Carbon deliver an all-encompassing solution for your activated carbon requirements.

Puragen Activated Carbons are certified for:

ISO 9001, ANSI/NSF Standard 61 or EN12915 for water treatment

Meet ANSI/AWWA B600-96 requirements for water treatment, Food Chemicals Codex



Puragen Activated Carbon Applications

Air and water treatment, food, wine and beverage, mineral processing, air purification and odour removal, solvent recovery, flue gas emission capture, soil remediation, chemical processing and purification.

Filchem holds a variety of the most frequently used grades of Puragen Activated Carbon stocked and available for purchase nationally.

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Activated Clays & Carbons

D.E. & Perlite

Frothers & Flotation Agents

Water Treatment

Filtration



PRODUCT SHEET

MINERALS & MINERAL PROCESSING INDUSTRY

ACTIVATED CLAY

There are a number of applications for activated clay in mineral processing applications. Filchem has access to world leading suppliers including Oil-Dri Corporation of America.

Filchem is able to provide the Oil-Dri range which is ideal for a range of applications in mineral processing.

The Oil-Dri range is used to assist in removing suspended and colloidal solids, organic collector and pregnant leach solution during the solvent extraction phase in the processing of many minerals including gold and copper.

Filchem can offer the complete Oil Dri range to suit your specific requirements.

The Oil Dri range of activated adsorbents are designed for general purpose decolorizing and purifying oils from petroleum based and hard-to-bleach fatty sources.

These products are characterised by high adsorbent efficiency and low oil retention.

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MINERALS & MINERAL PROCESSING INDUSTRY

DIATOMITE FILTER AIDS & POWDERS

- Filter aids for target mineral capture
- Filter aids for waste water, waste water streams, solvent extraction, electrowinning
- Adsorption of target minerals
- Crop protection formulations, chemical carriers
- Filtration of beer/wine
- Liquid/Syrup clarification
- Solid removal
- Rotary vacuum filter coarse filtration
- Fine filtration for pressure leaf, candle and plate and frame filters
- Body feed filtration
- Air purification - odour removal
- Wastewater treatment
- Remote site water treatment
- High purity depth filtration - low extractable elements
- Functional Mineral Additives
- Fillers
- Polishes
- Plastic Films
- Filtration aids for solid removal from chemical streams
- Clarification of chemical solutions
- Body feed filtration
- Diatomite and Perlite absorbent carriers for chemical distribution

CELLPURE

- Solid removal from liquids
- Body feed filtration
- Fine filtration for pressure leaf, candle and plate and frame filters
- High purity filtration - low extractable elements
- High purity depth filtration - low extractable elements
- Membrane filtration

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