

EFFLUENT WATER TREATMENT



“ Effective industrial water purification with activated carbon adsorption ”

Haycarb offers a wide range of activated carbon solutions for industrial water purification in various sectors, including effluent water treatment for industrial and utility applications. Product applications include process effluent water treatment, greywater treatment, and specialized solutions for industries such as paper industry wastewater and textile wastewater treatment.

Industrial and process effluents are wastewater generated from various manufacturing activities, often containing pollutants. Effluent water treatment is essential before releasing water into the environment due to contaminants such as dissolved organic compounds, colored compounds, and toxic chemicals. The preferred treatment method typically involves activated carbon adsorption, either as a stand-alone solution or in conjunction with other filtration technologies as a final-stage filtration step. This method is widely used in the paper, textile, and petrochemical industries due to its proven success.

In industrial applications where water is recycled rather than simply released, untreated water containing trace amounts of chemicals can cause damage to sensitive equipment. Haycarb has developed a range of industrial water purification solutions to meet these varying needs. Among physical, chemical, and biological processes used in wastewater treatment, activated carbon adsorption remains one of the most effective solutions, especially where toxic substances or pollutants that are not easily biodegradable need to be removed.

TECHNICAL INFORMATION

Parameter	Value	Test methods
Iodine No. (mg/g) *	1000	ASTM D4607
Apparent density (g/cc)	0.5 Typical	ASTM D2854
Moisture content % (w/w)	<5	ASTM D2867
Hardness No %	98	ASTM D3802
pH *	6-8 / 8-10 / 9-11	ASTM D3838
ASTM particle size **	8x30, 12x30 , 12x40, 14x45, 20x50, M200, M325	ASTM D2862

* Products can be customized for specific requirements

** Tailor made particle sizes can be provided depending on customer requirement



Haycarb has developed a range of products that effectively remove various contaminants from industrial waste water, such as:

- Organic contaminants causing Biological Oxygen Demand (BOD) and Chemical Oxygen Demand (COD)
- Toxic compounds
- Color compounds and dyes
- Aromatic compounds including phenol and bis-phenol A
- Chlorinated or halogenated organic compounds
- VOCs such as Benzene, Toluene, Ethylbenzene and Xylene (BTEX)
- Pesticides
- Surfactants
- Other dissolved organic compounds

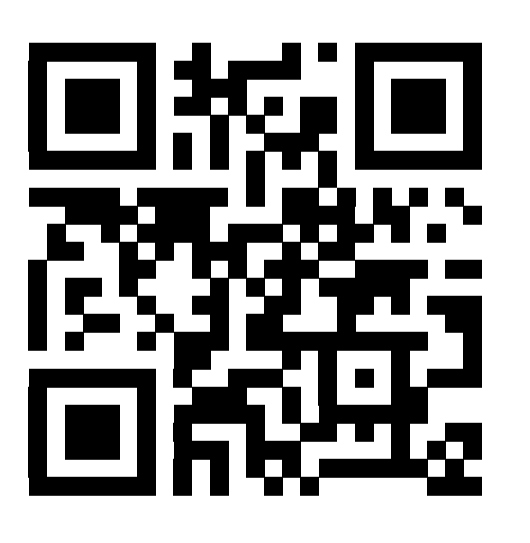


PACKAGING: Standard packaging is primarily designed to prevent the deterioration of accurately graded granules and to prevent the adsorption of moisture or atmospheric contaminants. Other packaging criteria can be accommodated upon request.

BULK BAG
Net. 500 kg

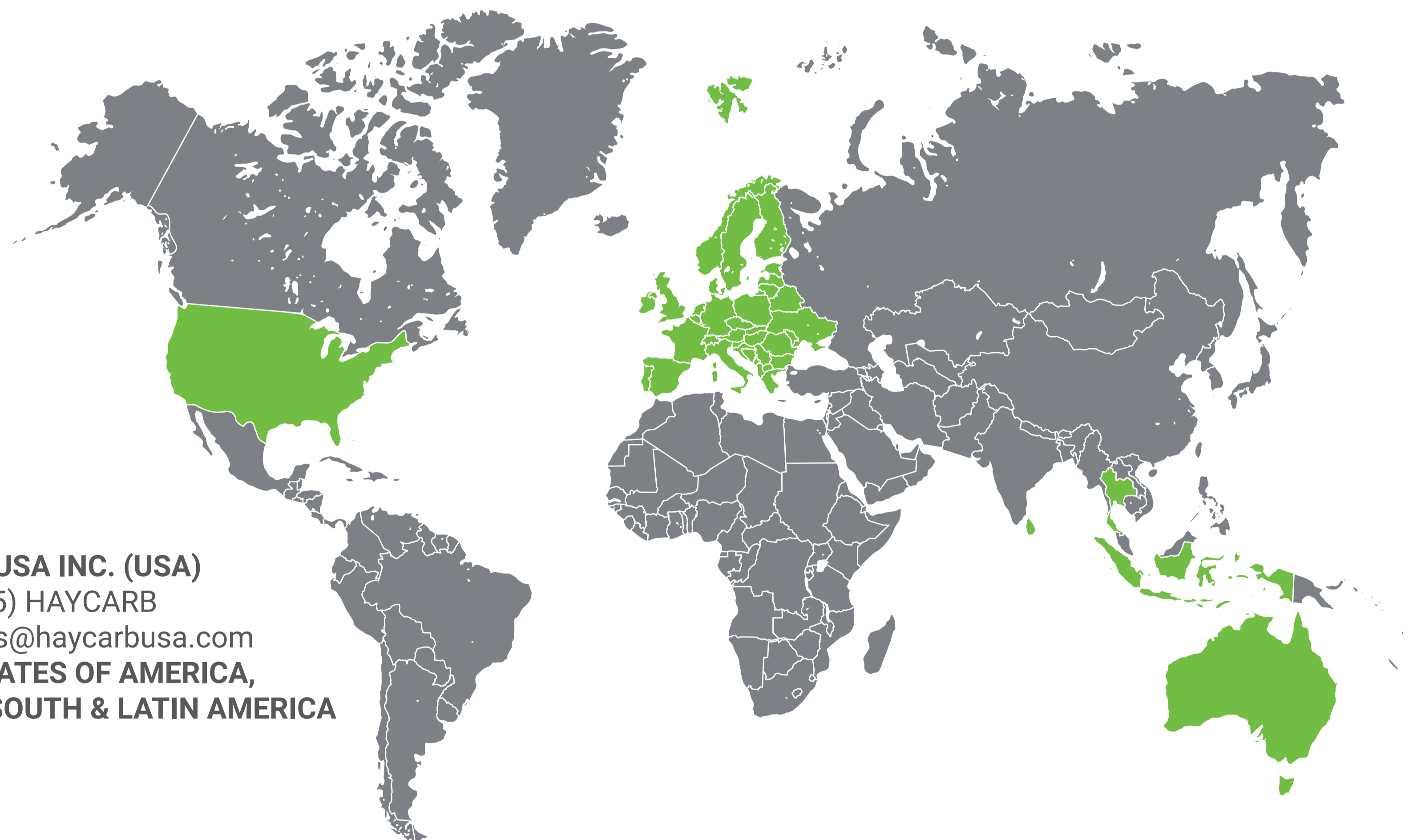
SACKS
Net. 25 kg

PE VALVE BAG
Net. 12.5 kg



'ACTIVATE' Haycarb's
ESG roadmap 2030

CONTACT US



HAYCARB USA INC. (USA)
Tel: +1 (855) HAYCARB
Email: sales@haycarbusa.com
**UNITES STATES OF AMERICA,
CANADA, SOUTH & LATIN AMERICA**

**EUROCARB PRODUCTS
LIMITED (UK)**
Tel: +44 1179 820333
Email: info@eurocarb.com
UNITED KINGDOM AND EUROPE

**HAYCARB PLC
(SRI LANKA)**
Tel: +94 11 262 7000
Email: inquiries@haycarb.com
GLOBAL COVERAGE

**HAYCARB HOLDINGS
(AUSTRALIA) PTY LTD**
Tel: +61 3 8555 0680
Email: haycarb@haycarb.com.au
AUSTRALIA, NEW ZEALAND & PNG

Follow us @haycarbplc



Warranty disclaimer: Haycarb retains the right to modify product specifications without prior notice, as we consistently enhance the design and performance of our products. The information presented here aims to aid customers in evaluating and selecting products from the Haycarb group. Customers are responsible for assessing whether the products and information in this document align with their requirements; no guarantees or warranties, expressed or implied, are offered. Haycarb disclaims responsibility, and users must assume full responsibility for system performance based on this data.

www.haycarb.com

