

A modern, sustainable Ontario economy depends on the chemistry and plastics sector.

More than 95% of all manufactured goods are directly touched by chemistry and plastics – **70,000+ PRODUCTS IN TOTAL**. These products include food packaging, medicine, automotive parts, aerospace equipment, renewable energy, clean water and so much more.

The chemistry and plastics sector enables Ontario's social, economic, and environmental objectives, including:



Facilitating the net-zero emissions economy

- Electric vehicles
- Light weighting
- Sustainable buildings
- Renewable energy



Circular economy and recovering the value of plastics

THE ONTARIO ADVANTAGE Ontario's chemistry and plastics industry by the numbers

Chemistry manufacturing

\$25.5B in shipments

\$18.6B in exports

\$3.14B in wages

41,600 direct jobs



Plastics manufacturing

\$14.4B in shipments

\$4.6B in exports

\$2.8B in wages

46,246 direct jobs



Economic importance



in value of shipments behind food and transportation equipment



in value added of manufacturing output



in value of exports of manufactured goods

Ontario advantage



Access to cost-competitive shale gas production in the northeastern U.S.



Established clusters with key infrastructure and skilled labour



New technologies for producing chemicals from biomass

#chemistrysolutions



CHEMISTRY INDUSTRY
ASSOCIATION OF CANADA

Chemistry and plastics supporting key industries throughout the province.



MINING

- Chemistry enables more efficient mineral extraction, separation and processing that improve recovery and sustainability.
- Ontario is home to nickel, gold, zinc and platinum metals as well as salt, gypsum, talc, calcium carbonate and other industrial metals.



FORESTRY

- Chemistries enable efficient and sustainable pulp processing, paper-making and finishing, and provide the foundation for evolving properties in pulp, paper and board products.



AUTOMOTIVE

- Chemistry and plastics critical material enabling auto industry to make safer, lighter, and more fuel-efficient vehicles that are better for the environment.
- On average, there are **30,000** parts in a vehicle and 1/3 of those are made of plastic from **40 different types** of plastics and polymers.
- Ontario poised to be major design, manufacturing, and assembly hub for electric cars. GM, Ford and Stellantis is investing to build more electric vehicles in Ontario.



BUILT ENVIRONMENT

- Chemistry and plastics supply piping, barrier films, insulations, windows, doors, plumbing fixtures, and surface materials used in building construction
- Energy efficiency, need for low-emissions plastic products driving the renovation of Canada's **\$4.53 trillion** residential and non-residential building stock
- Supporting the growth of Ontario's construction sector and its workforce
- Supports Canada's thriving appliance manufacturing sector



BUILDING THE CONDITIONS TO ATTRACT INVESTMENT AND CREATE JOBS

- Maintain the chemistry sector as a priority within the province's economic development strategy.
- Position Ontario as a leader in the circular economy and recovery of plastics.
- Recognize the sector's role in enabling a low carbon economy and ensure carbon pricing adhere to principles of consistency, stability and predictability.
- Recognize Responsible Care® as a model ESG programs for the effective stewardship, community engagement and the safe handling, storage and transportation of chemistry products