

PRIME TIME NEWS

→ *A Brief Look Inside Canada's Coatings Industry* ←

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LATEST ADVOCACY EFFORTS

- Health Canada Reveals Industry's Performance Under MEKO Code of Practice
- Highlights of the December WHMIS Current Issues Committee (CIC) Meeting Related to the True Copy Label Issue
- CMP Science Committee Holding Session on Chemical Exposure in the Workplace
- Special Update on Ontario's MHSW Wind Up Plan Returning Surplus Funds to Paint Stewards for Fee Reductions
- Stewardship Ontario MHSW Wind-Up Plan Consultation on Reducing Residual Funds
- CPCA Seeking Industry Expert to Develop Paint Formulation Training for Federal Official for VOC Regulations
- Draft Screening Assessment Reports Proposed 22 Substances as Non-toxic
- CMP Science Committee to Discuss Potential Risks from Exposure to Chemicals in the Workplace
- Latest Developments on Application of the 12 Principles of Green Chemistry

PLEASE NOTE: Should members require further information on any of the above or other items included in this newsletter they can search them on the CoatingsHUB or contact CPCA directly.



CANADA COATINGSHUB™

ACCESS **EVERYTHING** YOU NEED FROM **ANYWHERE** YOU ARE

CPCA's Canada CoatingsHUB is the only regulatory HUB enabling member organizations to access, track, and retrieve data whenever they need it, from wherever they are.

[LEARN MORE](#)

PRESIDENT'S MESSAGE

The first step in global product stewardship is ensuring full compliance with existing standards and regulations for the safe manufacturing, shipment and sale of products. The coatings industry strives to provide high performing products in a way that minimizes the risk to human health and the environment. These products are subject to many federal and provincial regulations for the safe use of chemicals for specific end-use markets. In fact, a recent consumer report done by Environmental Defence in Canada noted that, "There was strong general agreement on the assumption that products have to undergo rigorous safety

paint and coatings products."

CPCA has supported member companies on regulatory compliance for many years with focused advocacy related to a true Canadian success story. Paint recycling programs now exist in every Province under CPCA's PaintCare program and these programs are funded 100% by the manufacturers, the vast majority of which are CPCA members. These paint-recycling programs exist in all ten Provinces, with 8 of these programs run by Product Care, including the large programs in Ontario and British Columbia. Ecopeinture and Alberta Recycling Management Authority operate the other two paint-recycling programs in Quebec and Alberta, respectively. All these paint programs are meeting or exceeding targets for waste recovery and recycling. The manufacturers are the 'obligated stewards' under these provincial programs and without their support, there would be no paint waste recovery in Canada. In fact, the Canadian Council of Ministers on the Environment (CCME), comprised of 10 provincial Ministers of Environment and the federal Minister, noted the impressive progress in paint recycling in Canada over the years stating: *"There is only one product category that is consistently well-covered across the country by regulations (either EPR or product stewardship) with programs operating province-wide to divert materials from landfill, and that is used paint."*



In 2017 these paint programs recovered more than 28 million kilograms of leftover paint representing the equivalent amount used to paint over 500,000 homes across Canada. As with all things in Canada, that amount was the equivalent volume needed to paint 300,000 homes in Ontario. An Industry Steward Organization, Product Care, operates the Ontario program independently on behalf of the paint manufacturers, and it is audited annually on both its financial and operational performance with the following benefits:

- diverting waste paint from landfills, thereby reducing landfill costs
- 100% of the costs of recycling is paid for by manufacturers under this program relieving the financial burden on municipalities and ratepayers
- preserves valuable natural resources for future use
- conserves energy for other purposes
- creates green jobs

Consider the benefit for Canadians when recycling just one gallon of paint: saves 13 gallons of water; saves 1 quart of oil; reduces 13.74 pounds of CO₂; saves energy to power the average home for 3 hours; cooks 6 meals in a microwave oven; or, blow dries a person's hair 27 times.

To often in Canada industry meets - and even exceeds - sustainability targets for recycled paint without getting any recognition for their contribution to the outcomes achieved under their respective 'provincial' program operations. This substantive effort includes a network of several thousand drop-off sites, many collection events, large volumes of leftover paint collected, transportation and storage of that leftover paint, and the eventual processing or recycling of the waste paint for consumer use. This entire effort is expertly administered and paid for by industry, and all done in compliance with existing laws. Over the past 10

\$500 million.

That is corporate commitment to sustainability!

Gary LeRoux

President & CEO



REGULATORY  RADAR

WHAT MEMBERS READ TO STAY AHEAD OF REGULATIONS

The RegulatoryRADAR is Canada's premiere publication for the coatings industry. Get this 'member only' publication for better outcomes for your business.

To learn more visit canpaint.com or contact CPCA to become a member!

CPCA REPORT

CPCA Adopting Shorter Format for Monthly Newsletter

Several sections of the CPCA Prime Time News have been moved to the public section of the CPCA website (www.canpaint.com), such as the *Corporate Profile Section* which will include special blogs and podcasts on individual issues and updates on member companies. The *Corporate Member News* will also be published in the news section of the CPCA website. CPCA carried over the *Focus on Ottawa* and webinars/courses/publication news section to the member-only section, the CoatingsHUB. This more concise format will allow CPCA to focus more on economic and market trends as well as current industry efforts on sustainability and innovation in Canada. **Let CPCA know what you think of this new format.**

CPCA Federal Chemicals Management Update for January 2020

Full details on the items below and more are contained in the monthly edition of **Regulatory Radar** for members.

- Government Publishes a Science Approach Document on Ecological Risk Classification of Inorganic Substances

- CMP Science Committee to Discuss Considerations for Identifying Potential Risks from Exposure to Chemicals in the Workplace
- Technical Guidelines of New E2 Regulations Amended for More Clarity
- Government Currently Analyzing National VOC Architectural Survey Report Results
- Commissioner of the Environment and Sustainable Reports a Lack of Coordination Between Approaches to Sustainable Development Could Impede Canada's Progress



Please consult the CPCA Coatings/HUB for more details on each topic.

CPCA MHSW Wind-up Plan Update

CPCA continues to liaise with relevant parties on the MHSW Wind-up Plan in Ontario including the Ministry of Environment, the oversight authority (RPRA) and the entity responsible for the implementation of the wind-up plan, Stewardship Ontario. The plan was recently approved with several conditions. One of those conditions required that the MHSW wind-up plan be “updated by SO as required to address operational and implementation issues and as directed by Authority staff.” CPCA was pleased to learn that one of those operational issues includes a process whereby the surplus funds will be returned to the ISOs, including the Paint ISO, which would then disburse those funds via fee reductions for the benefit of consumers, the environment and all Ontarians. This makes imminent sense given the fact that the ISOs were approved by both the Minister and the Authority to operate steward programs completely independent of Stewardship Ontario. In the case of the Paint ISO, that occurred in 2014 with Product Care Operating the program plans since that time and reporting directly to the Oversight Authority, now RPRA. In effect, the paint program under the MHSW was wound up in 2015 and operated since then in the same manner as IFOs like Stewardship Ontario, Electronics and Tires. Since that time it has experienced greatly improved transparency, accountability and efficiencies under Product Care and continued to meet and exceed program targets for waste recovery in Ontario. CPCA remains hopeful that the \$17.5 million surplus funds accumulated under Stewardship Ontario when they operated the paint program for four years from 2010-2014 will be transferred to Product Care, the paint ISO. This will ensure the vast majority of the surplus will be applied to fee reductions for waste recovery, as originally intended, rather than large sums to administrative overhead. This will be better for the stewards and better for the environment. CPCA will continue to update members in the coming weeks, as they represent 99.9 percent of the volume of paint sold in Ontario and are keen to move forward in a positive manner on waste recovery during the wind-up.

IOMC Publishes International Best Practices for Identification of Priorities within Chemicals Management Systems

Bank and OECD. IOMC aims to promote co-ordination of the policies and activities to achieve the sound management of chemicals in relation to human health and the environment. The development of the document was led by Health Canada and reviewed by the OECD Working Party on Hazard Assessment (WPHA) and Working Party on Exposure Assessment (WPEA). The IOMC document captures and examines the weaknesses and strengths of several countries' prioritization processes and outcomes and offers guiding principles and best practices. It concludes that, as best practice, **prioritization decisions should be risk-based** and that a lack of data should not be sufficient reason to deprioritize a chemical. CPCA has long supported the Government of Canada's approach to chemical assessment, which is risk-based and achieves positive outcomes for both human health and the environment.

World Coatings Council Submits Paper on Cybutryne to IMO Subcommittee

The World Coatings Council (WCC) submitted a paper to the International Maritime Organization's Marine Environmental Protection Committee's Pollution Prevention and Response (PPR) Subcommittee for discussion at the group's next meeting, on Feb. 17–21, 2020 in London. The paper is responding to the IMO's efforts to ban cybutryne — a biocide used in antifouling coatings — through a process amending the organization's Anti-Fouling Systems (AFS) Convention. The WCC is actively participating in the evaluation of this substance for a possible ban under the AFS. Cybutryne use has limited availability globally, and more environmentally benign and effective biocides are available.

MEMBER RECOGNITION

PPG Industries Named to Fortune's World's Most Admired Chemicals Companies List for 2020

PPG ranks **No. 3** in its chemical industry category, preceded by 3M and Ecolab.

Dow Named to Forbes 2020 America's Best Employers for Diversity

Dow is listed among the **top 200 employers**. To determine the list, 60,000 Americans working for businesses with at least 1,000 employees were asked to rate their organizations on criteria such as age, gender, ethnicity, disability and sexual orientation equality, as well as that of general diversity.

Several CPCA Supplier Members Listed in the PCE Expert Publication *Top Raw Materials Launched in 2019*

See highlighted **launches** from BASF, BYK, Chromaflo, and DSM.



“

Climate change is destroying our path to sustainability. Ours is a world of looming challenges and increasingly limited resources. Sustainable development offers the best change to adjust our course... It offers a framework to generate economic growth, achieve social justice, exercise environmental stewardship and strengthen governance.

Ban Ki-moon

SUSTAINABILITY

Dow Chemical Separates from DowDuPont to be the Most Innovative and Sustainable Materials Science Company in the World

DowDuPont recently spun off Dow Chemical, forming an **independent unit** that will remain focused on specialty plastics, performance materials and coatings, and industrial intermediates. "The ambition that we set for the company is to be the most innovative, customer-centric, inclusive, and sustainable materials science company in the world," says CEO Jim Fitterling.

Covestro's INSQIN® Waterborne Technology for Sustainable Textile Coating to Receive "Solar Impulse Efficient Solutions Label"

Covestro has recently been granted the **Solar Impulse Efficient Solutions** Label for two projects, which have been proven as economically profitable as well as environmentally protective solutions: solar-powered greenhouses for drying food to preserve it, and a waterborne technology called **INSQIN®** for sustainable textile coating. This Label from the **Solar Impulse** Foundation serves as a new and credible

Canadian Wood Council Wood Design & Building Award

Sansin recently announced that the [Tsleil-Waututh Administration and Health Centre](#), located in North Vancouver, designed by [Lubor Trubka Associates Architects](#), has won the Sansin-sponsored [2019 Wood Design & Building Award](#).

ALTANA (and BIK) Aim to Be CO2 Neutral by 2025

By 2025, the specialty chemicals group [ALTANA](#) will reduce its CO2 impact from production and energy procurement worldwide to zero.

Celanese's Ethylene-based VAM Technology Listed as Green Technology by China Petroleum and Chemical Industry Federation

[Celanese's ethylene-based VAM technology](#) has been awarded the designation as a "Green Technology" in China for its low carbon emissions, low energy consumption, low content of heavy components and high product quality.

MF Paints Starts 2020 Strongly with the Launch of Four New Eco-Friendly Products

[The four products](#) are Adhero Hybrid 297: Alkyd Emulsion Universal Undercoat, Proline 6032: Easy-Touch, Self-Priming Paint, Proline Eco 7242-3: New Ultra Hide Natural White Base Zero-VOC, and Metal Plus H2O 4740 : New Satin Finish. *MF Paints has worked to formulate paints and stains that are adapted to the Canadian climate for more than 50 years, offering environmentally friendly and 100% Canadian paints in Eastern Canada since 1967.*

Best Practices in Sustainable Supplier Engagement

[Forum for the Future](#) writes an open letter to C-suite executives with advice on how to prepare for the bumpy years ahead. See [p.21 of the January 2020 issue of the Ethical Corporation Magazine](#) what are the nine leadership skills for sustainability during this decade of delivery.

Are We Serious About Achieving the SDGs? A Statistician's Perspective

Data are a prerequisite for making effective decisions on the policies and investments needed to drive the transformative changes envisioned by the [2030 Agenda](#). Internationally comparable data, in particular, are fundamental not only for assessing the effectiveness of development interventions, but also to determine where and how to intervene. Countries have been slow to commit to reporting global SDG indicators. A recent Paris21 report found that highly developed countries are still not able to report more than 40-50 percent of the SDG indicators.

TECHNOLOGY & INNOVATION

Biotechnology Meets Coatings Preservation

contamination and lower the levels of traditional biocides by applying biotechnology and molecular biology approaches.

A New 'Cool' Blue: Useful as Energy-saving, Heat-reflecting Coatings

Researchers were inspired by the crystalline structure of a light-blue mineral called hibonite and systematically substituted Al³⁺ (aluminum) ions in hibonite with Co²⁺, Ni²⁺ or Ti⁴⁺ ions to generate a range of intense blue colors, some with reddish hues.

New Paints that Eat Pollutants and Heat Homes

The thermo-regulating paint, developed as part of a project called [ENERPAINT](#), could be applied on brick building as a form of insulation to increase the energy efficiency of old houses without spending a fortune to renovate them. Another type of paint developed and commercialised through a project called AIRLITE uses nanoparticles to purify the air.

No Harm No Foul: New Marine Coating Draws Copper from Seawater

A carbon-based coating that uses only electrical pulses to remove fouling will be tested.

Innovation & Technology reports

- [Unmodified Kraft and Organosolv Lignins as Sustainable Components for Polyurethane Coatings](#)
- [New Epoxy Adhesives Based on Recycled Polymers and Graphene Oxide Nanoflakes](#)
- [Graphene Coating Begins Commercial-Scale Trial on Cargo Vessel](#)
- [Patented Concept Captures CO₂ Directly from Truck Exhaust Reducing Emissions by 90 Per Cent](#)
- [Dürr's High Performance ready2spray Compact Paint Robot for Industrial Applications](#)

ECONOMIC NEWS

Bank of Canada Keeps Rates at 1.75 Per Cent, Trims 2020 Economic Forecast

The [Bank of Canada](#) forecasts the Canadian economy to grow by 1.6 per cent in 2020, down 0.1 of a percentage point from its projection in October. Ratification of the new North American free trade deal and a partial trade detente between the United States and China should help stoke economic fires in Canada. The growth for 2021 should hit two (2) per cent, up from the bank's October forecast of 1.8 per cent.

What Could Cause Canada's Next Recession?

Recessions occur after at least [two-quarters of negative GDP growth](#). There have been four recessions in Canada since 1981, and each one was triggered by a particular set of circumstances and events. All recessions need a trigger either a

per cent).

Sustainability Sells: Why Consumers Are Turning to Sustainability

The *Sustainability 2019: Beyond Business as Usual* explores these shifting attitudes and behaviours. Read also the *Top 10 Global Consumer Trends in 2020 and Beyond*.

Big Changes Ahead for the Global Chemicals Industry

Global chemical players will likely continue to feel the effects of **slower economic growth and weakened demand in 2020**. Also, as the global chemical industry has backed SAICM since its inception, large international companies see it as a mechanism to ensure that all actors in their supply chains are trained and accountable for safe handling of chemicals and want to control risks posed by commercial chemicals rather than facing regulation or market shifts away from particular compounds. Additionally, ICCA wants to expand SAICM in 2020 to promote the international sharing of hazard and risk information on chemicals and it may impose a small levy on chemical manufacturers worldwide, perhaps 0.1% on sales.

Annual Sales of Canadian Light Vehicles Fall for First Time in a Decade, Forecast to 2026

Despite a decrease in sales, 2019 was still the fourth-best sales year **on record during the decade**. Canada's automotive **car exports** are expected to fall 9 per cent in 2020, as some OEM manufacturing capacity continues to move south of the border. See North American automotive **light vehicle production forecast to 2026**.

Auto Parts Makers Plan All-Canadian Zero-emissions Concept Vehicle

Project Arrow's Canadian auto suppliers aim to build and unveil by 2022 **a zero-emissions concept car** made entirely of **parts and software sourced at home**.

PPG & BASF Unveiled Automotive OEM Color Trends

PPG unveiled its **2019 automotive colour trends**, showing a rise in blue. BASF also released its **2019 OEM Coatings Color Report** showing that 39 per cent of all cars build around the world are painted in white, a lot of EVs in grey with semi-opaque and silky colours, and clean hybrid designs in blue and white.



Please visit the CPCA CoatingsHub for additional news in the **Management Information Resource**.



ASSOCIATION

ET DU REVÊTEMENT

CPCA 107th ANNUAL CONFERENCE & AGM

This year's conference will be held in the picturesque Québec City, QC one of Canada's oldest and the only North American city with a fortified colonial core dating back to 1608.

*Save the date: May 20-22, 2019
Details coming soon.*



INTERNATIONAL NEWS

Worldwide Paints, Coatings Market Worth US\$286.54B by 2026

The paint and coatings market growth will be driven by a **strong rebound** in worldwide building, construction, manufacturing primarily in Western Europe, North America and Japan.

Worldwide Nanocoatings Market – Revolutionary Trends to 2029

This market will showcase a **steady CAGR** in the forthcoming years. Major players include Buhler, Nanogate, AdMat Innovations, Bio-Gate, P2i Limited, Nanophase Technologies Corp, Surfix, NanoMech, Cima NanoTech, Eikos.

UV Coatings Market 2020: Leading Players and How Their Curing Technology Will Drive Growth

AkzoNobel N.V., Dow Chemical, and PPG Industries, 3M, Huntsman, Valspar, Sherwin-Williams, DIC, Axalta Coating Systems, and Koninklijke DSM **dominate this market**. The performance and environmental benefits from UV curing technology (i.e. emergence of LED lamp curing technology) are going to **drive growth** in all regions where novel photoinitiators for inks and coatings will be used (i.e. safe food and pharmaceutical packaging products, digital (inkjet) market and developments in electronics and display markets).

Study Finds Regulations Will Drive Market for Abrasion-resistant Coatings

These **abrasion resistance coatings** improve UV stability and offer minimal dirt pick-up, excellent abrasion resistance, and low reflectivity. They are used in the power generation sector, such as on wind turbine blades, cooling towers, containment vessels, generators, dams, etc. The leading players are AkzoNobel, Saint-Gobain, Jotun, Sherwin-Williams, Hempel, Praxair Surface Technologies, Henkel and Sika.

Floor Coatings Comprehensive Market Study

Solar Panel Coatings Market to 2026

A growing focus on product innovation is likely to drive the growth of this market.

Global Anti-reflective Coatings Market to Grow at a CAGR of 7.05 Per Cent Between 2019 and 2029

Solar is the fastest-growing application and Asia-Pacific largely dominates this market.

Adhesives and Sealants

Global Adhesives & Sealants Market to Grow at a CAGR of 4.6 Per Cent Between 2019 and 2024

This market is projected to reach USD 73.8 billion by 2024. The paper & packaging application accounting for the largest share will remain dominant throughout the period.

Global Epoxy Adhesives Market Study, 2020-2025

This market is expected to register a CAGR exceeding 5.5 per cent.

Trends in Conductive Pipes as Applications of Conductive Adhesives

The accumulation of static charge on the pipe surface remains one of the key problems associated with pipelines, which leads to explosions and damages. This report evaluates the potential of using electrically conductive polymeric pipes to replace the traditional non-conductive and metallic pipes to protect against these risks and the application of adhesives with conductive properties.

Prospective Automotive Sealants Market Analysis

This automotive market is growing at a slow pace due to the economic downturn and slow recovery in the U.S and the U.K. Meanwhile, it is growing exponentially in China and India where automobile manufacturing is growing. Brazil emerges as the new and upcoming automobile manufacturing hub with tremendous growth potential in the coming years.

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