Dow
Safer materials for more sustainable products
**This Is Dow**

- **2022 NET SALES**: ~$57B
- **EMPLOYEES**: ~37,800
- **MANUFACTURING SITES**: 104
- **GLOBAL REACH**: 31 countries

**2022 NET SALES**

Among top 20 global corporations using renewable, clean energy; **expanded access to** >900 MW of renewable energy

**EMPLOYEES**

Aligned comprehensive disclosures to GRI, GHG Protocol, TCFD, SASB and WEF in our annual INtersections Report

**MANUFACTURING SITES**

Advanced to #15 on the 2022 DiversityInc Top 50 Companies for Diversity list

**GLOBAL REACH**

Improved global Dow employee representation of women to 29.5%
**Sustainability drives opportunity across all Dow segments**

To become the most innovative, customer-centric, inclusive and sustainable materials company in the world

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<th>Climate Protection</th>
<th>Circular Economy</th>
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<td>We are committed to protecting our planet by combating climate change, including contributing to a lower carbon future, both in our operations and value chains.</td>
<td>We are taking a leading role in driving a more circular economy by designing for circularity, building new business models for circular materials and partnering to end plastic waste.</td>
<td>We are innovating new materials that offer a more favorable health and environmental profile over their life cycles compared to incumbent solutions.</td>
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### New Value Pools

- **Circularity**
- **Lower-Carbon and Sustainable Materials**
- **Green Building**
- **Digitalization**
- **Energy Transition**
- **Resource Efficiency**

### Dow Highlights

- **Packaging** to enable freshness enroute and on the shelf
- Elastomers, fluids, composites and silicones enabling wind and solar power
- Recycling of end-of-life consumer products into raw materials for re-use
- Silicones, urethanes, and acrylics enable weight reduction and improve fuel efficiency
- Packaging solutions made with bio-based feedstocks
- Materials that enhance the efficiency of high-perf. buildings
- Bio-based home and personal care ingredients
- Battery assembly materials for safe and reliable EV & AV designs
With a portfolio of more than 14,000 products that support more than 10,000 customers, we know that how we make, distribute and enable the use and disposal of our products can have a meaningful positive impact on people and the environment. Our Safer Materials vision is a future where every new material we bring to market is sustainable for people and the planet.

- Product Safety blueprint created to demonstrate our approach to developing safer and more sustainable chemistry
- Definition of safer materials as the foundation of our actions for improvement
- Business risk reviews for products, materials and applications as part of our strong product safety risk management approach
SAFER MATERIALS: HIGHLIGHTS

Definitions matter

What is a safer material?

A safer material is one with a measurably lower health risk potential and more favorable environmental profile over its intended life cycle(s) as compared to the incumbent solution. We believe that creating safer materials is a continuous journey and is possible through innovation, design and more predictive, enabling technologies.

New blueprint for product safety

Creating safer, more sustainable materials

In 2021, we launched a blueprint for Product Safety to demonstrate how Dow brings materials safely to the market through innovation and collaboration. In addition to published studies and other content, the blueprint also includes “The Product Safety Story: The Birth of a Molecule.”

Safer Materials in practice

CANVERA™ Polyolefin Dispersions provides food and beverage brand owners with a replacement for epoxy coating systems, without use of BPA and other materials of concern.

SunSpheres™ BIO SPF Booster: a high performing bio-derived and readily biodegradable SPF booster.

SILASTIC™ LCF 3600LV LSR: A two-part, solvent-free silicone adhesive elastomer designed to enable fabrication of seam sealed airbags from silicone-coated fabric.
**PRODUCT SAFTETY AT DOW TODAY**

**Toxicology**
Evaluate the hazards and risks of products to meet compliance and to inform product development and safer applications.

**Hazard Communication**
Responsible for providing Safety Data Sheets (SDS) and the EH&S content for labels.

**Product Regulatory Services**
Provide support for ensuring regulatory compliance.

**Product Stewardship**
Key interface with the businesses to ensure products are used safely throughout their lifecycle.
The Product Safety Assessment Center within Dow

Focused on the protection of human and environmental health of Dow’s innovations and existing products by delivering:

- Knowledge and expertise in product safety assessments
- Knowledge and expertise in product risk assessments
- Prediction of product safety
- Advocacy for global sound science regulatory decisions

Key facts

- Established in 1934
- Employees with a presence around the globe
- Testing, research, and consulting
- Expertise regarded highly internally and externally

To be the most respected and valued leader in the science and practice of chemical/product safety assessment
HOW THE SSbd FRAMEWORK CAN HELP

- Provide regulatory certainty
- Strengthen market acceptance
- Offer a workable framework to support R&D
- Consider safety over the lifecycle
- Prevent unintended consequences