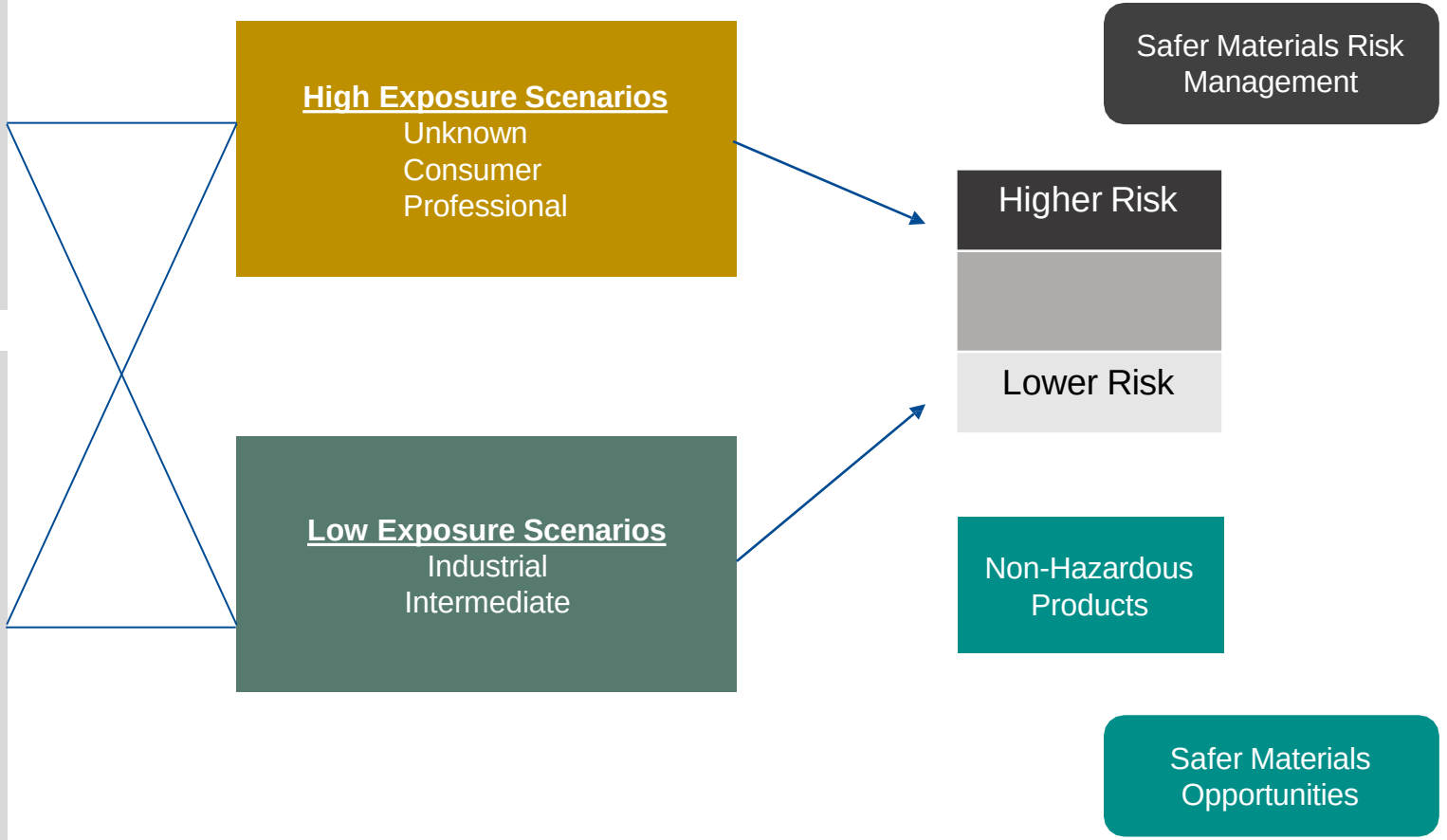
# CHARACTERIZATION: OUR OWN GENERIC RISK ASSESSMENT

**Priority 1 Hazards > 0.1%**
- Carcinogen Category 1
- Mutagen Category 1 and 2
- Reproductive toxin Category 1
- Endocrine Disruptor (HH/ENV) Category 1
- PBT, vPvB (poss. lower cutoff)
- Ozone Depleting substance

**Priority 2 Hazards > 1%**
- Carcinogen Category 2
- Reproductive toxin Category 2
- Endocrine Disruptor category (HH/ENV) 2
- Respiratory Sensitiser 1
- Skin sensitiser 1
- STOT SE & RE 1 and 2
- Aquatic Acute 1 & Chronic 1/2
- PMT
- vPvM

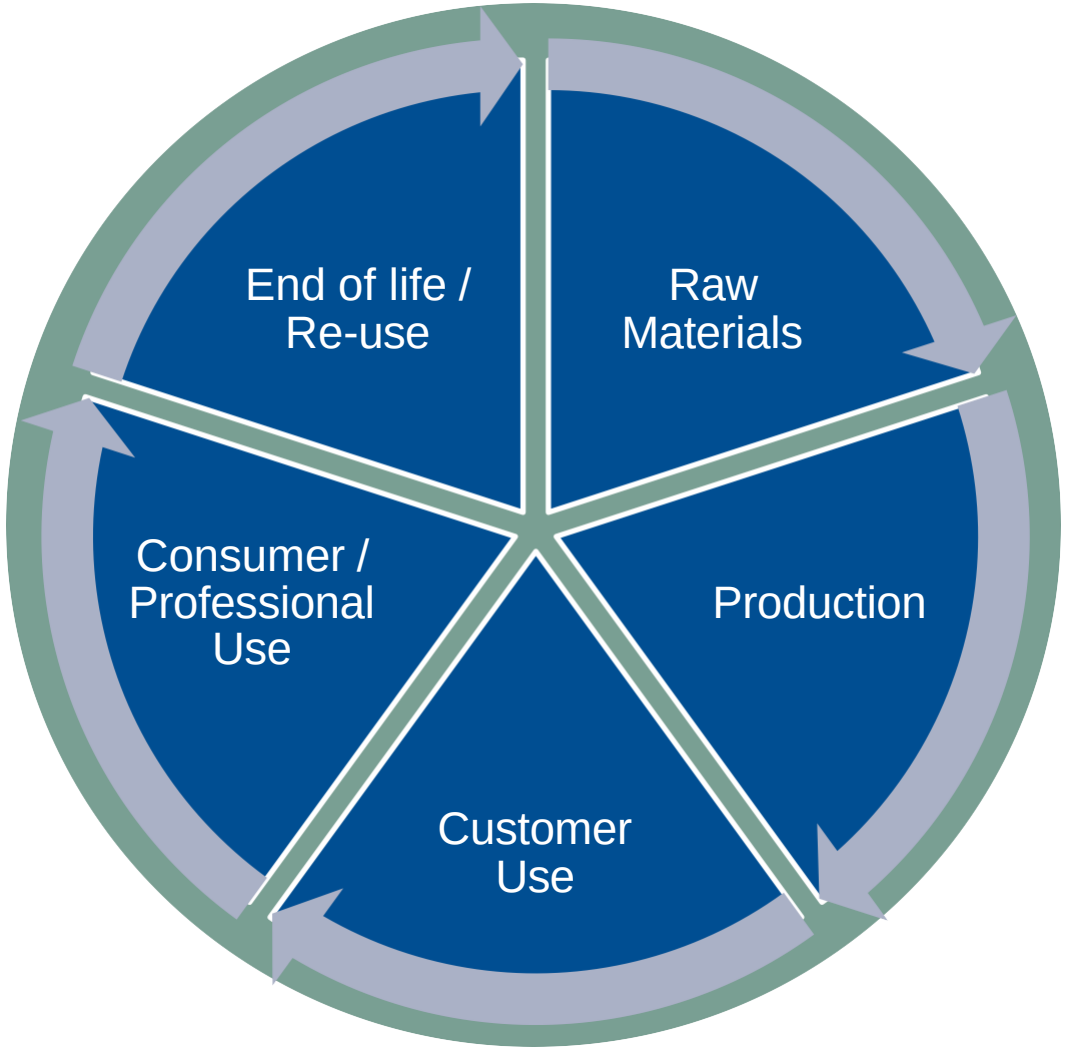



**High level hazard and exposure information will allow for broad portfolio characterization in a relatively simplified way across thousands of products.**

# Safer Materials opportunities span the full life cycle

- Product suitable for its end of life
- Safe for circularity

- Training programs
- Manage sensitive applications

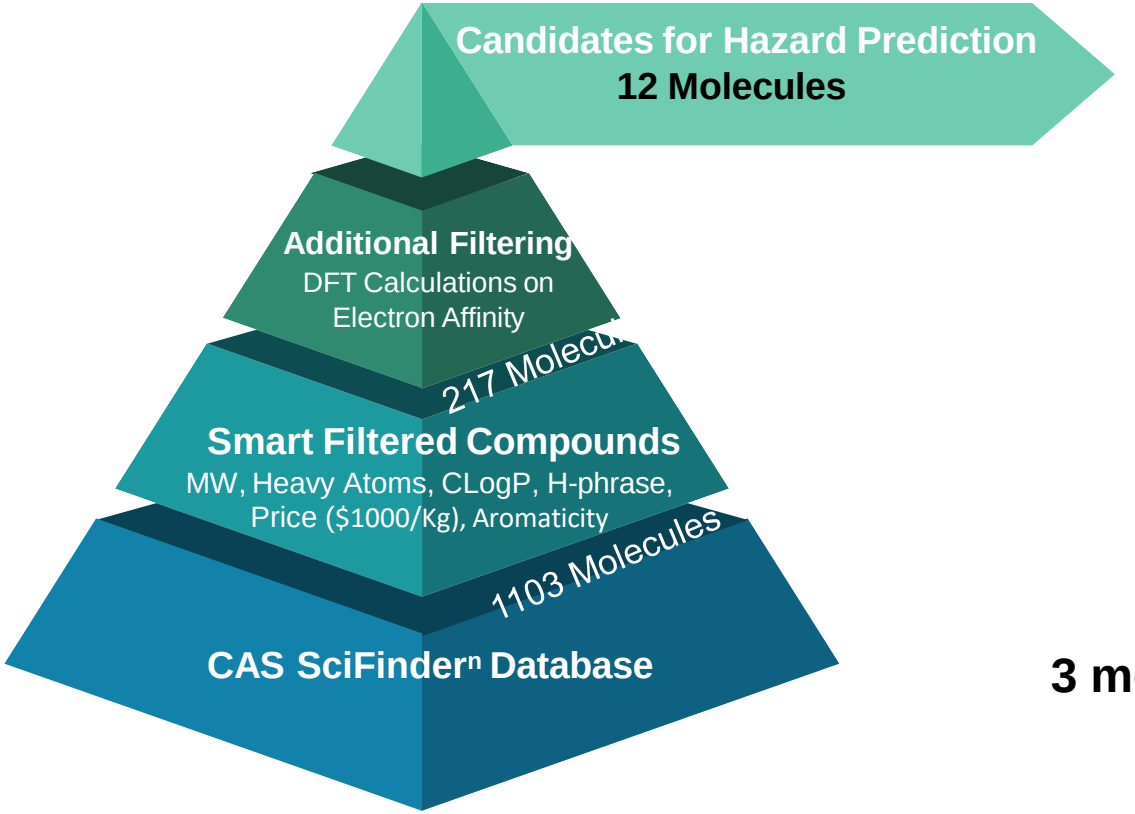



- Supply chain transparency (sources, substances of concern in raw materials, certifications)

- Worker protections
- Emissions reductions
- Care for communities

**Priority substance strategies could fall in any or multiple of these areas. Not all hazardous chemistry needs to be eliminated for chemicals to be safe.**

# DEVELOPING THE NEXT GENERATION OF SAFER PRODUCTS




**3 molecules passed along for further development and testing**

**Dow's Toxicology and Environmental Research group is focused on internal and external tools that can help us ensure each successive generation of chemistry is safer and more sustainable.**