

## CAS Registry Number Information Requirements

Please provide as much of the following information as possible for your substance type (including a unique substance identifier) along with any additional information (including CASRNs for starting materials) that may assist us in uniquely identifying your substances. The information is listed in general order of preference. Orders with complete substance identity information can be processed more efficiently, resulting in lower processing costs.

### Well Defined Chemical Compounds

- Chemical structure diagram
- Systematic chemical name
- Common names
- Molecular formula

### Polymeric Substances

- Specific starting monomers (required)
- Reaction scheme
- Role of reactants (e.g., polymer backbone, initiator, terminator)
- Structural description, including the general type of polymer (e.g., graft, block, random)
- Representative structure diagram

### Complex Reaction Products

- List of reactants and nature of the reaction
- Reaction scheme
- Typical composition of the product

### Plant and Animal Products

- Genus Species as well as other unambiguous common names of the source
- Method of extraction
- Description of further chemical processing

### Products from Industrial Processes

- Precursors and method of preparation
- Schematic diagram depicting the industrial process and the point where the substance is isolated
- Process description (e.g., catalytic cracking, dewaxed)
- Carbon (alkyl) range (e.g., C<sub>4</sub> through C<sub>12</sub>)
- Physical properties (e.g., boiling range, viscosity, solid, slag)
- Principal chemical composition
- Source (e.g., petroleum, coal)

### Biotechnological Products

- Sequence data
  - protein/DNA/RNA
  - any modifications to sequence
  - complete or fragment
  - naturally occurring or synthetic
  - trivial designation
- Biological source information, including Genus Species
- Enzyme activity