

## Appendix A

### Standard International Trade Classifications

SITC 51 Organic Chemicals includes hydrocarbons and their derivatives, alcohols, phenols, and other organic compounds.

SITC 52 Inorganic Chemicals includes chlorine and other inorganic elements, acids, metallic salts, and other inorganic compounds.

SITC 53 Dyeing, Tanning, and Coloring includes dyes, color lakes, tanning extracts, paints, pigments, varnishes, inks, and related preparations.

SITC 54 Medicinal and Pharmaceutical Products includes vitamins, antibiotics, hormones, veterinary and other medicaments, and related preparations.

SITC 55 Essential Oils and Perfume Materials includes essential oils, perfume materials, perfumes, cosmetics, toilet preparations, polishes, soaps, and related cleansing preparations.

SITC 56 Fertilizers includes nitrogenous, phosphatic, and other chemical and mineral fertilizers.

SITC 57 Plastics in Non-Primary Form includes polyethylene, PVC, polystyrene, and other plastic resins.

SITC 58 Plastics in Non-Primary Form includes tubes, pipes, hoses, plates, sheets, film, foil, strips, and other shades of plastic.

SITC 59 Chemical Material and Products, not elsewhere classified, includes pesticides, starches, glues, explosives and pyrotechnic products, fuel additives, plasticizers, textile specialties, and other miscellaneous chemical products and preparations.



## North American Industry Classification System (NAICS)

### 325 Chemical Manufacturing

The Chemical Manufacturing subsector is based on the transformation of organic and inorganic raw materials by a chemical process and the formulation of products.

#### 3251 Basic Chemical Manufacturing

This industry group comprises establishments primarily engaged in manufacturing chemicals using basic processes, such as thermal cracking and distillation. Chemicals manufactured in this industry group are usually separate chemical elements or separate chemically defined compounds.

##### 32511 Petrochemical Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing acyclic (i.e., aliphatic) hydrocarbons such as ethylene, propylene, and butylene made from refined petroleum or liquid hydrocarbon and/or (2) manufacturing cyclic aromatic hydrocarbons such as benzene, toluene, styrene, xylene, ethyl benzene, and cumene made from refined petroleum or liquid hydrocarbons.

##### 32512 Industrial Gas Manufacturing

This industry comprises establishments primarily engaged in manufacturing industrial organic and inorganic gases in compressed, liquid, and solid forms.

##### 32513 Synthetic Dye and Pigment Manufacturing

This industry comprises establishments primarily engaged in manufacturing synthetic organic and inorganic dyes and pigments, such as lakes and toners (except electrostatic and photographic).

###### 325131 Inorganic Dye and Pigment Manufacturing<sup>US</sup>

###### 325132 Synthetic Organic Dye and Pigment Manufacturing<sup>US</sup>

##### 32518 Other Basic Inorganic Chemical Manufacturing

This industry comprises establishments primarily engaged in manufacturing basic inorganic chemicals (except industrial gases and synthetic dyes and pigments).

###### 325181 Alkalies and Chlorine Manufacturing<sup>CAN</sup>

This U.S. industry comprises establishments primarily engaged in manufacturing chlorine, sodium hydroxide (i.e., caustic soda), and other alkalies often using an electrolysis process.

*US = U.S. industry only; CAN = U.S. and Canadian industries are comparable. (When no superscript appears, U.S., Canadian, and Mexican industries are comparable.)*

### **325182 Carbon Black Manufacturing<sup>US</sup>**

This U.S. industry comprises establishments primarily engaged in manufacturing carbon black, bone black, and lamp black.

### **325188 All Other Basic Inorganic Chemical Manufacturing<sup>US</sup>**

This U.S. industry comprises establishments primarily engaged in manufacturing basic inorganic chemicals (except industrial gases, inorganic dyes and pigments, alkalies and chlorine, and carbon black).

### **32519 Other Basic Organic Chemical Manufacturing**

This industry comprises establishments primarily engaged in manufacturing basic organic chemicals (except petrochemicals, industrial gases, and synthetic dyes and pigments).

### **325191 Gum and Wood Chemical Manufacturing<sup>US</sup>**

This U.S. industry comprises establishments primarily engaged in (1) distilling wood or gum into products, such as tall oil and wood distillates, and (2) manufacturing wood or gum chemicals, such as naval stores, natural tanning materials, charcoal briquettes, and charcoal (except activated).

### **325192 Cyclic Crude and Intermediate Manufacturing<sup>US</sup>**

This U.S. industry comprises establishments primarily engaged in (1) distilling coal tars and/or (2) manufacturing cyclic crudes or, cyclic intermediates (i.e., hydrocarbons, except aromatic petrochemicals) from refined petroleum or natural gas.

### **325193 Ethyl Alcohol Manufacturing<sup>US</sup>**

This U.S. industry comprises establishments primarily engaged in manufacturing nonpotable ethyl alcohol.

### **325199 All Other Basic Organic Chemical Manufacturing<sup>US</sup>**

This U.S. industry comprises establishments primarily engaged in manufacturing basic organic chemical products (except aromatic petrochemicals, industrial gases, synthetic organic dyes and pigments, gum and wood chemicals, cyclic crudes and intermediates, and ethyl alcohol).

### **3252 Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing**

#### **32321 Resin and Synthetic Rubber Manufacturing**

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing synthetic resins, plastics materials, and nonvulcanizable elastomers, and mixing and blending resins on a custom basis; (2) manufacturing noncustomized synthetic resins; and (3) manufacturing synthetic rubber.

### **325211 Plastics Material and Resin Manufacturing<sup>US</sup>**

This U.S. industry comprises establishments primarily engaged in (1) manufacturing resins, plastics materials, and nonvulcanizable thermoplastic elastomers, and mixing and blending resins on a custom basis and/or (2) manufacturing noncustomized synthetic resins.

### **325212 Synthetic Rubber Manufacturing<sup>US</sup>**

This U.S. industry consists of establishments primarily engaged in manufacturing synthetic rubber.

### **32522 Artificial and Synthetic Fibers and Filaments Manufacturing<sup>US</sup>**

This industry comprises establishments primarily engaged in (1) manufacturing cellulosic (i.e., rayon and acetate) and noncellulosic (i.e., nylon, polyolefin, and polyester) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or (2) manufacturing and texturing cellulosic and noncellulosic fibers and filaments.

#### **325221 Cellulosic Organic Fiber Manufacturing<sup>US</sup>**

This U.S. industry comprises establishments primarily engaged in (1) manufacturing cellulosic (i.e., rayon and acetate) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or (2) manufacturing and texturizing cellulosic fibers and filaments.

#### **325222 Noncellulosic Organic Fiber Manufacturing<sup>US</sup>**

This U.S. industry consists of establishments primarily engaged in (1) manufacturing noncellulosic (i.e., nylon, polyolefin, and polyester) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or (2) manufacturing and texturizing noncellulosic fibers and filaments.

### **3253 Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing**

#### **32531 Fertilizer Manufacturing**

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing nitrogenous or phosphatic fertilizer materials; (2) manufacturing fertilizers from sewage or animal waste; (3) manufacturing nitrogenous or phosphatic materials, and mixing with other ingredients into fertilizers; and (4) mixing ingredients made elsewhere into fertilizers.

#### **325311 Nitrogenous Fertilizer Manufacturing<sup>US</sup>**

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing nitrogenous fertilizer materials and mixing ingredients into fertilizers; (2) manufacturing fertilizers from sewage or animal waste; and (3) manufacturing nitrogenous materials and mixing them into fertilizers.

#### **325312 Phosphatic Fertilizer Manufacturing<sup>US</sup>**

This U.S. industry comprises establishments primarily engaged in (1) manufacturing phosphatic fertilizer materials or (2) manufacturing phosphatic materials and mixing them into fertilizers.

**3254 Pharmaceutical and Medicine Manufacturing**

**3255 Paint, Coating, and Adhesive Manufacturing**

**32552 Adhesive Manufacturing**

**3256 Soap, Cleaning Compound, and Toilet Preparation Manufacturing**

**3259 Other Chemical Product and Preparation Manufacturing**

**32591 Printing Ink Manufacturing**

**32592 Explosives Manufacturing**

**32599 All Other Chemical Product and Preparation Manufacturing**