

# ESSENTIAL METHANOL



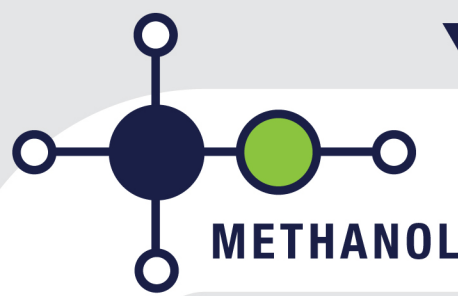
**COAL**



**NATURAL GAS**



**RENEWABLES/  
BIOMASS**



**METHANOL  
PRODUCTION**

**DERIVATIVE  
CHEMICALS**

**MATERIALS**

**Acetic Acid**

Fleece, Adhesives, Paints

**Methyl Methacrylate (MMA)**

PMMA-LCD Screens, Automotive Manufacturing

**Silicone**

Sealants, Lubricants, Medical Equipment, Insulation

**Olefins**

Plastics, Ethyl propylene, Polypropylene

**Formaldehyde**

Medium-Density Fibreboards (MDF), Plywood



**FUELS**

**Marine Fuel**

**Gasoline Blending/Substitute**

**Diesel Blending/Substitute**

**Bio-Diesel Production**

**Methyl tert-butyl ether (MTBE)**

**Dimethyl-ether (Displacing LPG)**

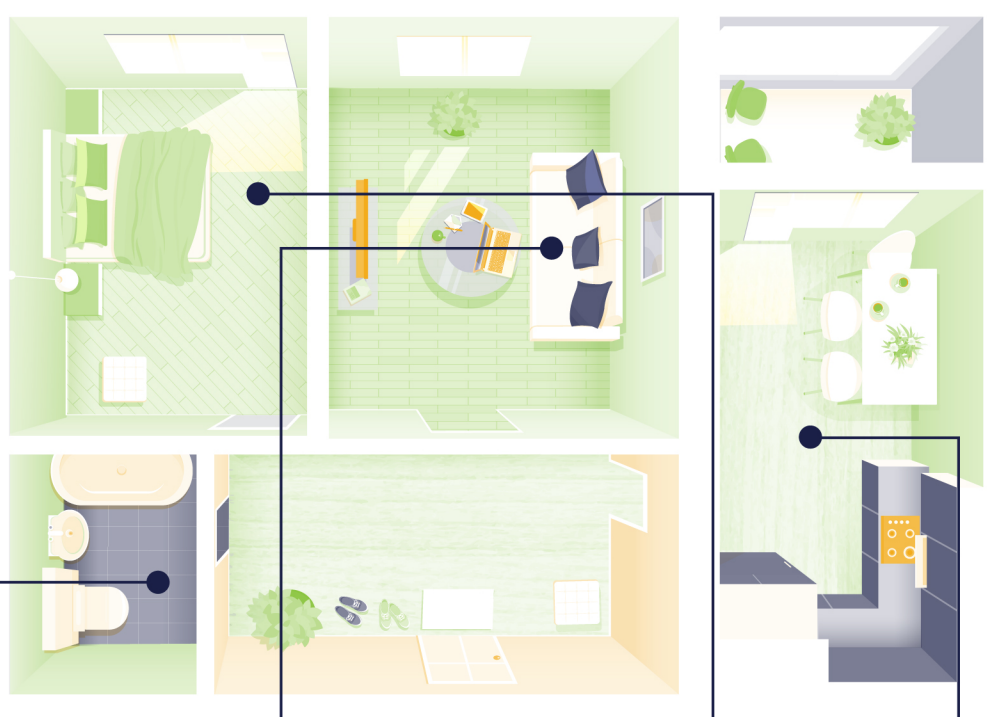


**FINAL  
PRODUCTS**



**1**

**IN OUR  
DAILY LIVES**



**Living Room**

- Rigid Foam Door Insulation
- Polyester Carpet
- Urethane Foam

**Bedroom/Study Room**

- Polyurethane Mattress Foam
- Carpeting

**Kitchen**

- PET Plastic Bottles
- Decorative Laminates

**Shower Room**

- Aerosols
- Disinfectants
- Fragrances
- Solvents

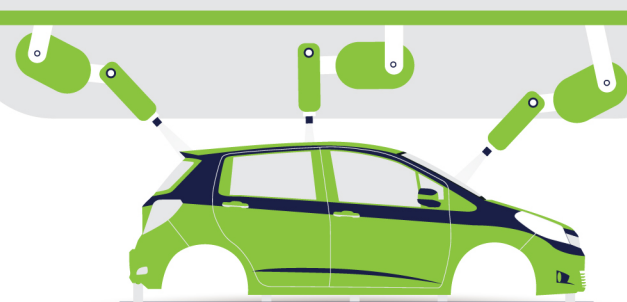
**Other Uses**

- Clothing
- Fertilizer
- Fiberglass Insulation Binder
- Silicone Sealants

**2**

**AUTOMOTIVE  
MANUFACTURING**

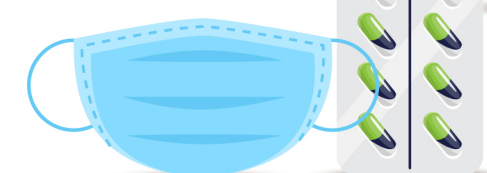
- Clean Fuels
- Paints
- Polyester Carpet & Fabric
- Thermoset Bumper & Energy Absorber
- Light Lens
- Tire Core Adhesives
- Body Panels
- MDF/MDI Door Panels
- Safety Glass Laminate
- Polyurethane Dashboard Foam
- Acetyl Thermoplastics: Gears, Pumps, Mouldings, Compounds, Distributor Caps, Fuses



**3**

**MEDICAL  
EQUIPMENT**

- Gloves
- Masks
- Medical gowns
- Hood cap
- Apron
- Pharmaceutical drugs
- Disinfectants



**4**

**FUEL IN  
SHIPS AND CARS**



**5**

**BOILERS/  
COOK STOVES**

