

## MDM Analytics - Product Classifications



| MDM/A Category | PC # | Description                   | Extended   |
|----------------|------|-------------------------------|--|
| Chemicals      | 82A  | Adhesives MRO                 | Adhesives, glues, cements for construction and service industry use; in-house facilities, equipment maintenance, mechanic's operational (tooling & other) use  |
| Chemicals      | 82B  | Adhesives OEM                 | Adhesives, glues, cements for permanent bonding of all materials to all materials, flexible and rigid, porous and non-porous surfaces: paper, textiles, wood, plastics and metal applications; mechanical joining, laminating, compositing use. Excludes end-use packaging use |
| Chemicals      | 34A  | Paint Maintenance MRO         | Paint and related surface coatings: facilities maintenance and equipment re-finish: contractor and service industrial use for maintenance and equipment refinishing, new construction and service industry use   |
| Chemicals      | 34B  | Paint OEM                     | Paint and related surface coatings-OEM use coatings: paints enamels lacquers varnishes and other organic coatings and related formulants except adhesive for OEM use   |
| Chemicals      | 34C  | Paint Spray Equipment MRO     | Spray equipment, paint and related surface coatings- gen maintenance, contractor use   |
| Chemicals      | 34D  | Paint Spray Equipment OEM     | Spray equipment, paint and related surface coating- use in OEM applications excludes adhesives   |
| Chemicals      | 33C  | Petro Hydraulic Oils          | Hydraulic fluids, oils and greases   |
| Chemicals      | 33E  | Petro Industrial Oil & Grease | Petroleum lubricating oil and grease, unfinished lubricating oils  |
| Chemicals      | 33A  | Petro Metal Cutting           | Fluids used for machining metal, glass etc with abrasives or cutting tools   |
| Chemicals      | 33B  | Petro Metal Forming           | Metal rolling, drawing, stamping and other forming process oils  |
| Chemicals      | 33F  | Petro Refined Lubricants      | Highly-refined and synthetic lubricating greases for service in textiles, foods and other non-contaminant applications   |
| Chemicals      | 33D  | Petro Surface Coatings        | Rust-preventative coating oils   |
| Chemicals      | 83A  | Sealants MRO                  | Sealants, caulking use by construction/service industries; in-house facilities and equipment maintenance   |
| Chemicals      | 83B  | Sealants OEM                  | Sealants, caulking for non-permanent (sustained-flexible) applications; for joints to be separated in future service. Includes compounds for threaded machine and pipe joints, liquid gasketing, construction caulking   |
| Construction   | 31   | Contractor Supplies           | Rope, shovels, ladders, other  |
| Construction   | 37D  | Fasteners Non-Threaded MRO    | Non-threaded fasteners: rivets, pins, washers, etc   |
| Construction   | 37C  | Fasteners Non-Threaded OEM    | Non-threaded fasteners: rivets, pins, washers, etc   |
| Construction   | 37E  | Fasteners Specialty OEM       | Products (except fasteners) made by cold/warm/hot-heading processes (aircraft, automotive, household appliance parts); turnbuckles, hose clamps, etc; metal/plastics hardware  |
| Construction   | 37B  | Fasteners Threaded MRO        | Threaded fasteners: screws, bolts, studs, nuts, locknuts, etc  |
| Construction   | 37A  | Fasteners Threaded OEM        | Threaded fasteners: screws, bolts, studs, nuts, locknuts, etc  |
| Construction   | 122B | HVACR Maintenance/MRO         | Repair/replace heating equipment, heat transfer equipment, warm air furnaces, unitary air conditioners, air source heat pumps, AC/warm air heating equipment, other misc refrigeration and air-conditioning equipment  |
| Construction   | 122A | HVACR New Construction        | New construction heating equipment, heat transfer equipment, warm air furnaces, unitary air conditioners, air source heat pumps, AC/warm air heating equipment, other misc refrigeration and air-conditioning equipment  |
| Construction   | 121B | Plumbing Maintenance/MRO      | Repair/replace plumbing fixtures, fittings, other metal valve and pipe fittings; plastics plumbing fixtures, pipe and fittings; vitreous china fixtures  |
| Construction   | 121A | Plumbing New Construction     | New construction plumbing fixtures, fittings, other metal valve and pipe fittings; plastics plumbing fixtures, pipe and fittings; vitreous china fixtures  |
| Construction   | 15   | PVF Metal MRO                 | Steel/iron pipe and tube, fittings; industrial valves, water works and municipal equipment; ball, gates, globes, angles, plug and other industrial valves  |
| Construction   | 113A | PVF Plastic Maintenance/MRO   | Plastics pipe: drain, waste and vent pipe, water, sewer, oil and gas, other; fittings and unions   |
| Construction   | 113B | PVF Plastic New Construction  | Plastics pipe: drain, waste and vent pipe, water, sewer, oil and gas, other; fittings and unions   |
| Construction   | 123B | Refrigeration Comml/Ind Maint | Repair/replace commercial/industrial refrigeration, related equipment; heat transfer equipment, compressors and units, parts and accessories for air-conditioning and heat transfer equipment, condensing units and all refrigerants, except ammonia                           |
| Construction   | 123A | Refrigeration Comml/Ind New   | New construction commercial/industrial refrigeration, related equipment; heat transfer equipment, compressors and units, parts and accessories for air-conditioning and heat transfer equipment, condensing units and all refrigerants, except ammonia                         |

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| MDM/A Category | PC # | Description                        | Extended   |
|----------------|------|------------------------------------|--|
| Controls       | 77A  | Controls Gen-Indst Eqpt MRO        | General industrial control equipment, all other (not elsewhere classified): pilot-circuit control devices, automatic switches (proximity, limit, interval timing, pressure, temperature, liquid level, other). Pushbuttons, pushbutton stations, selector switches, timers. All other industrial control and related power equipment (nec): industrial transformers, control and machine types; power supplies, battery chargers, other power rectifiers, converters, rheostats, resistors, motor capacitors, control-circuit relays, timing relays  |
| Controls       | 77B  | Controls Gen-Indst Eqpt OEM        | General industrial control equipment, all other (not elsewhere classified): pilot-circuit control devices, automatic switches (proximity, limit, interval timing, pressure, temperature, liquid level, other). Pushbuttons, pushbutton stations, selector switches, timers. All other industrial control and related power equipment (nec): industrial transformers, control and machine types; power supplies, battery chargers, other power rectifiers, converters, rheostats, resistors, motor capacitors, control-circuit relays, timing relays (excludes OEM electronic control components in 51B)  |
| Controls       | 75A  | Controls Gen-Indst PLCs MRO        | General purpose industrial programmable logic controllers (PLCs) and related system equipment for displaying, measuring and controlling industrial process equipment   |
| Controls       | 79A  | Controls Motor & Drive MRO         | Motor starters, contactors, control centers; industrial (1000v & under). Brake and clutch controls, electric/electronic: motor-brake/clutch-controller sets, torque limiters; other industrial motor controls  |
| Controls       | 79B  | Controls Motor & Drive OEM         | Motor starters, contactors, control centers; industrial (1000v & under). Brake and clutch controls, electric/electronic: motor-brake/clutch-controller sets, torque limiters; other industrial motor controls  |
| Controls       | 80A  | Controls Process Instruments MRO   | Process instruments/controls, primarily for online control-loop and distributed control service in the chemical, oil refining, paper, power, nuclear, other process industries; for corrosive, hazardous, high pressure/temperature, exposed and sanitary environments. Measuring/controlling temperature, pressure, flow, level, pH, other fluid variables, furnace temperatures. Includes controllers, recorders, sensors, thermocouples (shielded and other), gauges, pyrometers. Signal and data transmitters, converters, processing devices, process control computers, computer-controllers. Includes in-line emissions and radiation monitoring equipment. |
| Controls       | 76A  | Controls Specialty Indst MRO       | Specific purpose industrial controls - NC, CNC, other machine controls, other positioning and motion controls (rotary, linear); stepper motor and servo motor/generator controls. Other automation equipment: sequencing, counting, integrating, metering. Crane, marine, industrial truck, other special purpose controls. Related sensors, other specialties and system equipment. Other control-system specialty motors, generators and related controls. Encoders, synchro, selsyn, tachometer. Motor/generator-controller sets, transmitters, transducers, signal and data processors, amplifiers, other system equipment                                     |
| Controls       | 76B  | Controls Specialty Indst OEM       | Specific purpose industrial controls - NC, CNC, other machine controls, other positioning and motion controls (rotary, linear); stepper motor and servo motor/generator controls. Other automation equipment: sequencing, counting, integrating, metering. Crane, marine, industrial truck, other special purpose controls. Related sensors, other specialties and system equipment. Other control-system specialty motors, generators and related controls. Encoders, synchro, selsyn, tachometer. Motor/generator-controller sets, transmitters, transducers, signal and data processors, amplifiers, other system equipment                                     |
| Controls       | 74A  | Controls Variable Speed Drives MRO | Variable speed drives: electric/electronic (AC/DC), mechanical; controllers, motor-controller sets; related system equipment: amplifiers, other  |
| Controls       | 74B  | Controls Variable Speed Drives OEM | Variable speed drives: electric/electronic (AC/DC), mechanical; controllers, motor-controller sets; related system equipment: amplifiers, other (excludes non-industrial electronic control modules in 51B)  |
| Controls       | 78A  | Gauges Industrial Instrument MRO   | Industrial gauges and other boiler/tank fittings, including pressure/temperature gauges for pipelines, pressure vessels, gas cylinders, pump and compressor assemblies. Includes diaphragm types for corrosive chemical service. Liquid-level gauges, pipeline flow meters, sight glasses. Accessory valves (cocks, plugs)   |
| Controls       | 78B  | Gauges Industrial Instrument OEM   | Industrial gauges and other boiler/tank fittings, including pressure/temperature gauges for pipelines, pressure vessels, gas cylinders, pump and compressor assemblies. Includes diaphragm types for corrosive chemical service. Liquid-level gauges, pipeline flow meters, sight glasses. Accessory valves (cocks, plugs)   |
| Controls       | 75B  | Monitoring Panel Equipment MRO     | General industrial monitoring, data acquisition, recording, logging, panel display and related equipment; including command and alarm panels, annunciators   |
| DataComm       | 52C  | Computers & Peripherals OEM        | Value-added use of computers and peripherals in specialty data processing systems. Use of industrial computers, computer-controllers in machine tools, graphic machines (plotters), other machines, process and industrial control system equipment  |

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|----------------|------|--------------------------------|---|
| DataComm       | 52A  | Computers Business MRO         | General business/professional use including word processing, inventory, point-of-sale systems, MIS; professional specialty use; publishing (word and graphics) use; scientific, engineering, design graphics (cad) use; general data processing service. (excludes on-line industrial and process control use.) Product includes micro (pc), mini and mainframe computers, workstations, network servers. Computer peripherals incl. Graphic video monitors, drives and other data storage equipment (magnetic, optical, tape), printers, optical scanners, keying equipment media-to-media converters, other input/output devices and network hardware. Related business and technical equipment including word processors, point-of- sales equipment, bar code readers, calculators.    |
| DataComm       | 52B  | Computers Processing MRO       | Micro (PC), mini, and mainframe computers. Peripherals including graphic and video monitors, drives and other data storage equipment, printers, media-to-media converters, other input/out devices and net- work hardware. Industrial computers, computer-controllers; process and industrial control system computers. Industrial bar-code readers. Use includes online (real time) use in process and industrial control systems; in machine-tool and other machine computer control  |
| DataComm       | 53A  | DataComm Equipment MRO         | Data communications equipment, including routers, gateways, bridges, terminal servers and concentrators; telephone switching and switchboard equipment, including cellular mobile and packet switching equipment; telephone and telegraph (wire) apparatus, carrier line equipment (office and line repeaters, transceivers and line terminating carrier equipment) and non-consumer modems, including auxiliary sets; external modems for POTS, ISDN, DSL, and PSTN lines transmission; PBX & multiplex equipment; other telephone and telegraph (wire) apparatus, including telephone sets, telephone answering, and fax machines (single line and ISDN, cordless handsets, headsets); voice frequency equipment; voice/call message processing equipment, including answering devices. |
| DataComm       | 53B  | DataComm Equipment OEM         | Data communications equipment, including routers, gateways, bridges, terminal servers and concentrators; telephone switching and switchboard equipment, including cellular mobile and packet switching equipment; telephone and telegraph (wire) apparatus, carrier line equipment (office and line repeaters, transceivers and line terminating carrier equipment) and non-consumer modems, including auxiliary sets; external modems for POTS, ISDN, DSL, and PSTN lines transmission; PBX & multiplex equipment; other telephone and telegraph (wire) apparatus, including telephone sets, telephone answering, and fax machines (single line and ISDN, cordless handsets, headsets); voice frequency equipment; voice/call message processing equipment, including answering devices. |
| DataComm       | 64A  | Wire DataComm MRO              | Fiber optic (communication) cable; telecommunication/data/video transmission wire and cable; other coaxial, twin-lead & flat-lead cable; telecomm interconnect and service-end wire/cable; computer interface cable sets, flexible telephone cord sets.   |
| DataComm       | 64B  | Wire DataComm OEM              | Fiber optic (communication) cable; telecommunication/data/video transmission wire and cable; other coaxial, twin-lead & flat-lead cable; telecomm interconnect and service-end wire/cable; computer interface cable sets, flexible telephone cord sets.   |
| DataComm       | 63D  | Wire Small Diameter MRO        | Electronic wire/cable, coax, single-/multi-conductor (CATV, antenna, hook-up, etc)  |
| DataComm       | 63E  | Wire Small Diameter OEM        | Electronic wire/cable, coax, single-/multi-conductor (CATV, antenna, hook-up, etc)  |
| Electrical     | 73A  | Circuit Protection Devices MRO | Power and molded case circuit breakers, related switchgear and relays, specialty transformers, fuses and fuse equipment   |
| Electrical     | 73B  | Circuit Protection Devices OEM | Power and molded case circuit breakers, related switchgear and relays, specialty transformers, fuses and fuse equipment   |
| Electrical     | 51A  | Components Modules MRO         | Electronics: Integrated microcircuits, including semiconductor networks, microprocessors and MOS memories. Semiconductors and related devices, MOS memory (DRAM/SRAM), EPROMs/EEPROMs, transistors, diodes and rectifiers, resistors, capacitors, coils, transformers and inductors, chips, wafers, heat sinks, electronic connectors   |
| Electrical     | 51B  | Components Modules OEM         | Electronics: Integrated microcircuits, including semiconductor networks, microprocessors and MOS memories. Semiconductors and related devices, MOS memory (DRAM/SRAM), EPROMs/EEPROMs, transistors, diodes and rectifiers, resistors, capacitors, coils, transformers and inductors, chips, wafers, heat sinks, electronic connectors   |
| Electrical     | 45G  | Generator Set-Power Supply MRO | Prime mover generator sets, AC/DC. Fractional/integral motor generator sets and other rotating equipment (including hermetics). Power supply and conversion equipment: primary, auxiliary and standby service. Excludes industrial control, aircraft specialty use; computer operational power supply use in "white collar" (financial & other) sectors   |
| Electrical     | 45H  | Generator Set-Power Supply OEM | See description in MRO report file #45G. OEM use by power package assemblers  |
| Electrical     | 70A  | Light Bulbs MRO                | Lamp bulbs and tubes, components  |
| Electrical     | 70B  | Light Bulbs OEM                | Lamp bulbs and tubes, components  |
| Electrical     | 71A  | Light Bulbs Transprt MRO       | Vehicular lamp bulbs and components, including sealed beam  |
| Electrical     | 71B  | Light Bulbs Transprt OEM       | Vehicular lamp bulbs and components, including sealed beam  |
| Electrical     | 69A  | Light Fixtures MRO             | Lighting fixtures, resi- and nonresidential; outdoor lighting equipment; all other including hand portable, parts and accessories; fluorescent lamp ballasts and specialty transformers   |

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|----------------|------|--------------------------------------|---|
| Electrical     | 69B  | Light Fixtures OEM                   | Lighting fixtures, resi- and nonresidential; outdoor lighting equipment; all other including hand portable, parts and accessories; fluorescent lamp ballasts and specialty transformers   |
| Electrical     | 72A  | Light-Fxtr Transprtn MRO             | Vehicular lighting equipment, parts and accessories (auto, truck, emergency vehicle, headlights)  |
| Electrical     | 72B  | Light-Fxtr Transprtn OEM             | Vehicular lighting equipment, parts and accessories (auto, truck, emergency vehicle, headlights)  |
| Electrical     | 45C  | Switchgear Equipment MRO             | Switchgear, power control and distribution switchboards, generator control and metering panels, controls for motors over 600v & accessory equipment. Power service panels for bldgs, elevators, industrial facilities, all primary power users and generators. Power circuit breakers, all voltages. Circuit breakers, GFI type breakers, distribution cutouts, switchgear relays and time switches, power switching equipment. Knife switches, contactors, connectors (600v+). Power regulators. Fuses and fuse devices for switchgear, and for industrial (600v+), including fuse clips, blocks, mounts. Bus bar structures. Low-voltage panel boards and distribution boards and other switching and interrupting devices, 1000v or less. Fuses and fuse equipment less than 2300v (except power distribution cutouts). Molded case circuit breakers, 1000v or less. Duct, including plug-in units and accessories, 1000v or less. Relays for electronic circuitry, industrial control overload and switchgear type. |
| Electrical     | 45D  | Switchgear Equipment OEM             | Switchgear, power control and distribution switchboards, generator control and metering panels, controls for motors over 600v & accessory equipment. Power service panels for bldgs, elevators, industrial facilities, all primary power users and generators. Power circuit breakers, all voltages. Circuit breakers, GFI type breakers, distribution cutouts, switchgear relays and time switches, power switching equipment. Knife switches, contactors, connectors (600v+). Power regulators. Fuses and fuse devices for switchgear, and for industrial (600v+), including fuse clips, blocks, mounts. Bus bar structures. Low-voltage panel boards and distribution boards and other switching and interrupting devices, 1000v or less. Fuses and fuse equipment less than 2300v (except power distribution cutouts). Molded case circuit breakers, 1000v or less. Duct, including plug-in units and accessories, 1000v or less. Relays for electronic circuitry, industrial control overload and switchgear type. |
| Electrical     | 67   | Test Instruments Prtbl/Bench         | Electrical/electronic portable/bench test equipment for electrical, radio and communication circuits, motors. Digital/analog panel meters, other electrical indicating instruments  |
| Electrical     | 68   | Tools Assembly-Electrical/Electronic | Electrical/electronic wiring service, including manufacturing assembly, manual and power hand tools: specialty pliers, strippers, soldering guns, other specialties; drills, screw drivers, other general purpose mechanic's tools; expendables   |
| Electrical     | 45E  | Transformers Power MRO               | Power and distribution transformers, single-phase, liquid-immersed, including network, 500kVA and smaller. Small conventional and power transformers, single- and three-phase, primary and secondary. Large liquid-immersed. Specialty transformers, except fluorescent lamp ballast  |
| Electrical     | 45F  | Transformers Power OEM               | Power and distribution transformers, single-phase, liquid-immersed, including network, 500kVA and smaller. Small conventional and power transformers, single- and three-phase, primary and secondary. Large liquid-immersed. Specialty transformers, except fluorescent lamp ballast  |
| Electrical     | 63A  | Wire & Cable MRO                     | Insulated wire/cable for power transmission, building, and other power wiring. Includes armored cable, mine and marine power specialties, welding service use, flexible power cord sets   |
| Electrical     | 63B  | Wire & Cable OEM                     | Insulated wire/cable for power transmission, building, and other power wiring. Includes armored cable, mine and marine power specialties, welding service use, flexible power cord sets   |
| Electrical     | 63C  | Wire Magnet OEM                      | Magnet wire (copper, aluminum insulated, other) for windings, coil use  |
| Electrical     | 65A  | Wiring Devices Current MRO           | Current-carrying outlets, receptacles (GFI/non-GFI capability), lampholders, switches, metal contacts, wire connectors  |
| Electrical     | 65B  | Wiring Devices Current OEM           | Current-carrying outlets, receptacles (GFI/non-GFI capability), lampholders, switches, metal contacts, wire connectors  |
| Electrical     | 66A  | Wiring Devices Non-Current MRO       | Noncurrent-carrying conduit and fittings (metal/plastics), raceway, ventilated cable tray, boxes, covers, bar hangars, etc; pole and transmission line hardware   |
| Electrical     | 66B  | Wiring Devices Non-Current OEM       | Noncurrent-carrying conduit and fittings (metal/plastics), raceway, ventilated cable tray, boxes, covers, bar hangars, etc; pole and transmission line hardware   |
| Fluid Power    | 18F  | Hydraulic Cylinders MRO              | Hydraulic fluid power cylinders/actuators, aerospace and non-aerospace, linear/rotary; parts  |
| Fluid Power    | 18E  | Hydraulic Cylinders OEM              | Hydraulic fluid power cylinders/actuators, aerospace and non-aerospace, linear/rotary; parts  |
| Fluid Power    | 18B  | Hydraulic Pumps-Motors MRO           | Hydraulic fluid power pumps, motors, related rotary actuators - vehicle, material handling, construction, mining, service road trucks, heavy-duty marine, aircraft, booster pumps and related rotary actuators  |

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| MDM/A Category    | PC # | Description                        | Extended   |
|-------------------|------|------------------------------------|--|
| Fluid Power       | 18A  | Hydraulic Pumps-Motors OEM         | Hydraulic fluid power pumps, motors, related rotary actuators - vehicle, material handling, construction, mining, service road trucks, heavy-duty marine, aircraft, booster pumps and related rotary actuators                 |
| Fluid Power       | 18D  | Hydraulic Valves-Filters-Misc MRO  | Hydraulic valves, filters, other misc line accessories   |
| Fluid Power       | 18C  | Hydraulic Valves-Filters-Misc OEM  | Hydraulic valves, filters, other misc line accessories   |
| Fluid Power       | 17A  | Pneumatic Cylinders MRO            | Pneumatic fluid power cylinders/actuators, aerospace and non-aerospace, linear/rotary; parts   |
| Fluid Power       | 17B  | Pneumatic Cylinders OEM            | Pneumatic fluid power cylinders/actuators, aerospace and non-aerospace, linear/rotary; parts   |
| Fluid Power       | 26E  | Pneumatic Tube & Ftgs              | Flared fittings, couplings and assemblies; pneumatic hose, tube end fittings and assemblies  |
| Fluid Power       | 16A  | Pneumatic Valves-FRLs MRO          | Pneumatic control valves, aerospace and non-aerospace; filter/regulator/lubricators  |
| Fluid Power       | 16B  | Pneumatic Valves-FRLs OEM          | Pneumatic control valves, aerospace and non-aerospace; filter/regulator/lubricators  |
| Material Handling | 25A  | Casters Industrial MRO             | Furniture casters, casters and wheels for dollies and industrial handtrucks  |
| Material Handling | 23   | Conveyors-Conveying Equipment      | Unit and bulk material handling conveyors and conveying systems; gravity, trolley, tow, screw, bucket, vibrating, pneumatic, carousel, belt, etc; parts, attachments, accessories  |
| Material Handling | 22   | Hoists Cranes & Monorails          | Hoists, overhead traveling cranes and monorails; winches and aerial work platforms   |
| Material Handling | 22A  | Hoists (subset of 22)              | Subset: Electric, hand, air and other hoists: chain, ratchet, wire rope; parts and attachments (subset of 22A)   |
| Material Handling | 24   | Shelving Racks-Lockers-Benches     | Metal, plastic and wood fixtures; shelving, storage racks, partitions, lockers; shop furniture and fixtures  |
| Material Handling | 32   | Wire Rope and Slings               | Wire rope assemblies, cable, lifting slings, forms and strand  |
| MROP              | 1    | Abrasives Bonded                   | Wheels and other bonded abrasive shapes  |
| MROP              | 2    | Abrasives Coated                   | Sandpaper, textile base abrasive products: sheet, belts, discs, etc  |
| MROP              | 3    | Abrasives Grain Grit Shot          | Loose grain, grit, shot, sand, etc for grinding, polishing, industrial blasting; OEM use of grain in bonded and coated abrasives   |
| MROP              | 4    | Abrasives Super                    | Super abrasives, including diamond, boron, CBN (all bonds)   |
| MROP              | 36A  | Brushes General Maintenance        | Industrial general-purpose maintenance brushes (excluding painting use), brooms, mops  |
| MROP              | 36C  | Brushes Industrial                 | Specialty industrial and service industry machine brushes, twisted-in-wire, power-driven and rotary  |
| MROP              | 36B  | Brushes Painting/Prep              | Paint and varnish brushes, paint holders, pads roller frames and rollers, including replacement rollers, related surface preparation brushes   |
| MROP              | 41   | Compressors Industrial All         | All compressors, industrial (primarily stationary) air types, and construction use (mobile) air types  |
| MROP              | 91   | Janitorial Supplies                | Soaps and detergents, industrial/commercial/institutional; sanitary tissues paper products; specialty cleaning/sanitation products; polyethylene refuse bags; broom, brush and mops; vacuum cleaners; brushes, brooms and mops |
| MROP              | 11   | Lubricating Equipment              | Measuring and dispensing pumps and equipment, including lubricating oil pumps, barrel pumps, grease guns and parts   |
| MROP              | 12   | Machine Tool Accessories           | Chucks, vises, inserts, collars, collets, mandrels, indexing equipment, toolholders, arbors, etc   |
| MROP              | 40   | Pumps Industrial MRO               | Industrial pumps, except hydraulic fluid power pumps, including corrosion-resistant process, centrifugal, rotary, vertical turbine pumps, etc  |
| MROP              | 29   | Safety PPE                         | Personal protective equipment/safety apparel including headgear, boots (including rubber), gloves, welding helmets, goggles, and other eyewear, first aid supplies   |
| MROP              | 30   | Safety Test-Eqpt and Respirators   | Respiratory protection equipment; environmental safety test, analytical, indicating instruments  |
| MROP              | 6    | Saw Blades                         | Straight and rotary blades for cutting metal, plastics, wood   |
| MROP              | 14   | Tools Cutting-Carbide              | Solid carbide tools and inserts and carbide-tipped cutters, bits, other "small" tools  |
| MROP              | 5    | Tools Cutting-High Speed Steel     | Carbon/high-speed steel shank, solid, tipped carbide twist drills; other cutting tools for machine tools; end mills and milling cutters; dies taps, carbide indexable, specials; metalworking/woodcutting                      |
| MROP              | 8    | Tools Files                        | Manual and rotary files, burrs   |
| MROP              | 13   | Tools Hand-Precision Measurement   | Calipers, micrometers, gauge blocks, comparators, scales, etc  |
| MROP              | 7    | Tools General Hand                 | Mechanics and all other contractor's hand tools including shovels, striking, wood working, gardening (see separate 7a "mechanics hand tools")  |
| MROP              | 7A   | Tools Mechanics Hand (subset of 7) | Subset: Socket and other wrenches, screwdrivers, pliers, striking tools, and special made mechanics assembly tools, excludes wood working and garden tools (subset of 7)   |
| MROP              | 9    | Tools Power-Air                    | Pneumatic hand tools: drills, nut runners, impactors, etc  |
| MROP              | 10   | Tools Power-Electric               | Electric power hand tools: drills, nut runners, rotary saws, etc   |

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|--------------------|------|--------------------------------------|---|
| MROP               | 7B   | Tools Storage                        | Portable tool boxes, drawer chests  |
| MROP               | 15B  | Valves Control                       | Automatic control and regulating valves: pneumatic, electric, hydraulic actuated; process control loop types, independent regulators, solenoid valves; related actuators, positioners   |
| MROP               | 15A  | Valves Industrial                    | Industrial valves, primarily manual power-operated on/off: gates, globe, angle, ball, butterfly, plug, needle, others; corrosion resistant, sanitary, waterworks, nuclear specialties   |
| Packaging          | 82C  | Packaging-Adhesives                  | Adhesives, cements for packaging and product identification use: sealing of cartons, containers, shipping boxes; tagging, labeling, etc   |
| Packaging          | 96   | Packaging-Bags Industrial            | Uncoated shipping sacks and multi-wall bags; paper/polyethylene single- and multi-web specialty bags, pouches and liners  |
| Packaging          | 95   | Packaging-Bottles Cans&Drums All     | Metal cans, plastics bottles, glass containers  |
| Packaging          | 92   | Packaging-Containers Paper           | Corrugated and solid fiber boxes, including pallets, paperboard in sheets and rolls, lined and unlined, for all end uses  |
| Packaging          | 93   | Packaging-Containers Paper Specialty | Folding paperboard boxes, packaging and components; specialty corrugated and solid fiber boxes  |
| Packaging          | 94   | Packaging-Containers Plastic         | Plastics packaging (excluding film and sheet, foam and bottles); pails, drums, boxes, trays, closures   |
| Packaging          | 110C | Packaging-Plastic Film&Sht           | Plastics packaging flexible film and sheet, polyethylene/polypropylene  |
| Packaging          | 84   | Tape                                 | Pressure-sensitive tape including rubber-backed, excluding surgical; unprinted labels, base stock, adhesive films, gummed products  |
| Packaging          | 84A  | Packaging-Tape (subset of 84)        | Subset: Pressure-sensitive tape including rubber-backed, excluding surgical; unprinted labels, base stock, adhesive films, gummed products (subset of 84)   |
| Plastics           | 110A | Plastic Flex-Film&Sht MRO            | Unlaminated plastics film and sheet (except packaging)  |
| Plastics           | 110B | Plastic Flex-Film&Sht OEM            | Unlaminated plastics film and sheet (except packaging)  |
| Plastics           | 112A | Plastic Flex-Tube MRO                | Unlaminated plastics profile shapes: rods, tubes, profiles, other shapes  |
| Plastics           | 112B | Plastic Flex-Tube OEM                | Unlaminated plastics profile shapes: rods, tubes, profiles, other shapes  |
| Plastics           | 114A | Plastic Rigid-Sht&Plate MRO          | Plastic Rigid-Sht&Plate MRO   |
| Plastics           | 114B | Plastic Rigid-Sht&Plate OEM          | Plastic Rigid-Sht&Plate OEM   |
| Plastics           | 114C | Plastic Rigid-Sht&Plate Pkg          | Plastic Rigid-Sht&Plate Pkg   |
| Plastics           | 117B | Plastic Shapes-Special OEM&Pkg       | Plastic Shapes-Special OEM&Pkg  |
| Plastics           | 115A | Plastic Shapes-Tube_Rod_Bar MRO      | Plastic Shapes-Tube_Rod_Bar MRO   |
| Plastics           | 115B | Plastic Shapes-Tube_Rod_Bar OEM      | Plastic Shapes-Tube_Rod_Bar OEM   |
| Plastics           | 115C | Plastic Shapes-Tube_Rod_Bar Pkg      | Plastic Shapes-Tube_Rod_Bar Pkg   |
| Power Transmission | 38C  | Bearings Ball MRO                    | Unmounted ball bearings MRO   |
| Power Transmission | 38D  | Bearings Ball OEM                    | Unmounted ball bearings OEM   |
| Power Transmission | 38G  | Bearings Mounted MRO                 | Mounted bearings, unit and/or split mounted; pillow blocks, includes plain bearings   |
| Power Transmission | 38H  | Bearings Mounted OEM                 | Mounted bearings, unit and/or split mounted; pillow blocks, includes plain bearings   |
| Power Transmission | 38E  | Bearings Roller MRO                  | Unmounted roller bearings, all types including cylindrical, tapered, spherical  |
| Power Transmission | 38F  | Bearings Roller OEM                  | Unmounted roller bearings, all types including cylindrical, tapered, spherical  |
| Power Transmission | 20B  | Chain Link MRO                       | Materials handling chain: for lifting (hoist), chain-conveyor use   |
| Power Transmission | 20A  | Chain Roller MRO                     | Roller chains for sprocket drives, conveyor systems, assembly table, other power transfer   |
| Power Transmission | 20C  | Chain Roller OEM                     | Roller chains for sprocket drives, conveyor systems, assembly table, other power transfer   |
| Power Transmission | 81A  | Clutches & Brakes MRO                | Industrial clutches, torque limiters, brakes; includes friction, pneumatic, hydraulic (and hydraulic couplings), electric (including controllers) and special types - excludes standard automotive & aircraft specials, motor-clutch/brake sets |
| Power Transmission | 81B  | Clutches & Brakes OEM                | Industrial clutches, torque limiters, brakes; includes friction, pneumatic, hydraulic (and hydraulic couplings), electric (including controllers) and special types - excludes standard automotive & aircraft specials, motor-clutch/brake sets |
| Power Transmission | 39A  | Couplings Flexible MRO               | Flexible couplings: Hydraulic, U-joint, etc   |
| Power Transmission | 39B  | Couplings Flexible OEM               | Flexible couplings: Hydraulic, U-joint, etc   |
| Power Transmission | 21A  | Gear Drives & Speed Reducers MRO     | Gears, speed changers: worm, planetary, cycloidal, high-speed, adjustable   |
| Power Transmission | 21B  | Gear Drives & Speed Reducers OEM     | Gears, speed changers: worm, planetary, cycloidal, high-speed, adjustable   |
| Power Transmission | 38M  | Linear Accessories MRO               | Directional and non-directional control valves, hose/tube, fittings, couplings, assemblies  |
| Power Transmission | 38N  | Linear Accessories OEM               | Directional and non-directional control valves, hose/tube, fittings, couplings, assemblies  |
| Power Transmission | 38J  | Linear_Act & Positnrs MRO            | Linear actuators and positioners, packaging machinery and parts   |

## MDM Analytics - Product Classifications



| MDM/A Category     | PC # | Description                     | Extended  |
|--------------------|------|---------------------------------|---|
| Power Transmission | 38K  | Linear_Act & Positnrs OEM       | Linear actuators and positioners, packaging machinery and parts   |
| Power Transmission | 28A  | Motors Fractional HP MRO        | Motors, gearmotors: under 1 HP, fractional and subfractional, all types including universals, appliance/power tool drive, instrument drive, specialties, including automotive and aircraft, wound armatures   |
| Power Transmission | 28C  | Motors Fractional HP OEM        | Motors, gearmotors: under 1 HP, fractional and subfractional, all types including universals, appliance/power tool drive, instrument drive, specialties, including automotive and aircraft, wound armatures   |
| Power Transmission | 28   | Motors Integral HP MRO          | Motors, gearmotors: 1HP and up, AC/DC, general purpose machine drive, pump/compressor drive, power tool drive, traction, torque, enclosed service, special and wound armatures  |
| Power Transmission | 28B  | Motors Integral HP OEM          | Motors, gearmotors: 1HP and up, AC/DC, general purpose machine drive, pump/compressor drive, power tool drive, traction, torque, enclosed service, special and wound armatures  |
| Power Transmission | 19D  | Sheaves MRO                     | Single- and multiple-drive sheaves  |
| Power Transmission | 19E  | Sheaves OEM                     | Single- and multiple-drive sheaves  |
| Power Transmission | 20D  | Sprockets MRO                   | Sprockets   |
| Power Transmission | 20E  | Sprockets OEM                   | Sprockets   |
| Rubber Products    | 27A  | Belting Conveyor Flat MRO       | Flat rubber/plastics belts and belting, lightweight and heavy duty  |
| Rubber Products    | 27B  | Belting Conveyor Flat OEM       | Flat rubber/plastics belts and belting, lightweight and heavy duty  |
| Rubber Products    | 19A  | Belts Transmission MRO          | Industrial, agricultural and automotive type V-belts integral and fractional HP   |
| Rubber Products    | 19B  | Belts Transmission OEM          | Industrial, agricultural and automotive type V-belts integral and fractional HP   |
| Rubber Products    | 11C  | Gaskets & Packings MRO          | All non-metallic, metallic and combination gaskets. For piping, pressure vessel, electric fixtures, automotive, pumps and valves, appliance, includes general assembly dust gaskets   |
| Rubber Products    | 11D  | Gaskets & Packings OEM          | All non-metallic, metallic and combination gaskets. For piping, pressure vessel, electric fixtures, automotive, pumps and valves, appliance, includes general assembly dust gaskets   |
| Rubber Products    | 26A  | Hose Hydraulic MRO              | Hydraulic/pneumatic hose, fittings, and assembly  |
| Rubber Products    | 26B  | Hose Hydraulic OEM              | Hydraulic/pneumatic hose, fittings, and assembly  |
| Rubber Products    | 26C  | Hose Industrial MRO             | Non-hydraulic hose and fittings: water, chemical, oil, and steam use; engine cooling (radiator) hose  |
| Rubber Products    | 26D  | Hose Industrial OEM             | Non-hydraulic hose and fittings: water, chemical, oil, and steam use; engine cooling (radiator) hose  |
| Rubber Products    | 11A  | O-Rings MRO                     | Stock and custom molded O-rings   |
| Rubber Products    | 11B  | O-Rings OEM                     | Stock and custom molded O-rings   |
| Rubber Products    | 11G  | Seals Mechanical-Automotive MRO | Axial mechanical face seals complete and parts with single and multi coil springs or bellows, clearance, labyrinth and other face seals, rotary oil seals bonded, sprung, unsprung, unitized, nonmetallic, or non-bonded and other oil seals for the automotive after market (MRO-auto only)    |
| Rubber Products    | 11H  | Seals Mechanical-Automotive OEM | Axial mechanical face seals complete and parts with single and multi coil springs or bellows, clearance, labyrinth and other face seals, rotary oil seals bonded, sprung, unsprung, unitized, nonmetallic, or nonbonded and other oil seals for the automotive original equipment (OEM) markets |
| Rubber Products    | 11E  | Seals Mechanical-Industrial MRO | Axial mechanical face seals complete and parts with single and multi coil springs or bellows, clearance, labyrinth and other face seals, rotary oil seals bonded, sprung, unsprung, unitized, nonmetallic, or non-bonded and other oil seals for industrial (non-auto) MRO use                  |
| Rubber Products    | 11F  | Seals Mechanical-Industrial OEM | Axial mechanical face seals complete and parts with single and multi coil springs or bellows, clearance, labyrinth and other face seals, rotary oil seals bonded, sprung, unsprung, unitized, nonmetallic, or nonbonded and other oil seals for the industrial (non-auto) user OEM              |
| Steel              | 100A | Steel Alloy MRO                 | Steel Alloy MRO   |
| Steel              | 100  | Steel Alloy OEM                 | Steel Alloy OEM   |
| Steel              | 103A | Steel Carbon Bars MRO           | Steel Carbon Bars MRO   |
| Steel              | 103  | Steel Carbon Bars OEM           | Steel Carbon Bars OEM   |
| Steel              | 106A | Steel Carbon Pipe MRO           | Steel Carbon Pipe MRO   |
| Steel              | 106  | Steel Carbon Pipe OEM           | Steel Carbon Pipe OEM   |
| Steel              | 104A | Steel Carbon Plate MRO          | Steel Carbon Plate MRO  |
| Steel              | 104  | Steel Carbon Plate OEM          | Steel Carbon Plate OEM  |

## MDM Analytics - Product Classifications



| MDM/A Category | PC # | Description                  | Extended   |
|----------------|------|------------------------------|--|
| Steel          | 105A | Steel Carbon Sheet MRO       | Steel Carbon Sheet MRO   |
| Steel          | 105  | Steel Carbon Sheet OEM       | Steel Carbon Sheet OEM   |
| Steel          | 102A | Steel Carbon Tube MRO        | Steel Carbon Tube MRO  |
| Steel          | 102  | Steel Carbon Tube OEM        | Steel Carbon Tube OEM  |
| Steel          | 108A | Steel Carbon-Strctl MRO      | Steel Carbon-Strctl MRO  |
| Steel          | 108  | Steel Carbon-Strctl OEM      | Steel Carbon-Strctl OEM  |
| Steel          | 101A | Steel Stainless MRO          | Steel Stainless MRO  |
| Steel          | 101  | Steel Stainless OEM          | Steel Stainless OEM  |
| Welding/Gases  | 90B  | Gases Industrial Non-Welding | Industrial gases other than welding application, including medical |