

CHAPTER 3

ENERGY COMMODITIES

C3.1. FEDERAL SUPPLY CLASS (FSC) RESPONSIBILITY. Material management responsibility for all energy commodities is assigned in accordance with DoD 4140.1-R, DoD Materiel Management Regulation. Standardization responsibility for all FSCs is assigned in accordance with DoD 4120.24-M (reference (i)), Defense Standardization Program Policies and Procedures. This chapter reflects those assignment decisions for energy related commodities and FSCs.

C3.1.1. FSC 6810, Chemicals. Defense Supply Center Richmond (DSCR) has management and procurement responsibility for this FSC, and serves as the lead standardization activity.

C3.1.2. FSC 6830, Compressed and Liquefied Gases. DSCR and DESC have split procurement and management responsibility for this FSC. Most items are managed and procured by DSCR. Defense Energy Support Center (DESC) is the central procurement agency for natural gas within DoD (National Stock Numbers (NSNs) 6830-01-318-5797. DESC manages some fuel gases (alternate fuels) in this FSC including compressed natural gas (NSNs 6830-01-377-8183 and 6830-01-493-6039) and liquefied petroleum gas (NSNs 6830-01-493-5659 and 6830-01-493-6146). DESC also manages the following compressed gases that are used in conjunction with the missile fuels program. These compressed gases were previously managed and procured by the Air Force Petroleum Office. On October 1, 2001, DoD integrated materiel management of these items transferred to DESC.

C3.1.2.1. NSN 6830-01-099-6295. Purchase Description: Neon Gas, Research Grade.

C3.1.2.2. NSN 6830-00-539-8512. Purchase Description: Xenon, Gas Research Grade.

C3.1.2.3. NSN 6830-01-066-1677 (cylinder) and 6830-01-205-7734 (bulk). MIL-P-27214, Argon, Gas, Ultrapure Carrier Grade.

C3.1.2.4. NSN 6830-00-001-7989. Purchase Description: Helium, Extra High Purity, 99.9995% Purity.

C3.1.2.5. NSN 6830-01-103-8393. Purchase Description: Helium, Ultra High Purity, 99.9997% Purity.

C3.1.2.6. NSN 6830-01-099-6296. Purchase Description: Krypton, Gaseous, Research Grade.

C3.1.2.7. NSN 6830-01-103-5907. Purchase Description: Neon, Gaseous, Ultra Pure Grade.

C3.1.2.8. NSN 6830-01-464-1774. Purchase Description: Helium, Technical, Grade L.

C3.1.2.9. NSN 6830-01-465-0164. Purchase Description: Helium, Technical, Grade M.

C3.1.2.10. NSN 6830-01-465-5937. Purchase Description: Helium, Technical, Maximum Water Vapor: 9 parts per million (ppm).

C3.1.2.11. NSN 6830-01-465-5941. Purchase Description: Helium, Technical, Maximum Water Vapor: 15 ppm.

C3.1.2.12. NSN 6830-01-465-5946. Purchase Description: Helium, Technical, Maximum Water Vapor: 3 ppm.

C3.1.2.13. NSN 6830-01-465-5950. Purchase Description: Helium. Technical, Maximum Water Vapor: 1.5 ppm.

C3.1.2.14. NSN 6830-01-468-6756. Purchase Description: Xenon, Technical, Maximum Carbon Dioxide: 1 ppm.

C3.1.2.15. NSN 6830-01-471-2781. Purchase Description. Oxygen, Technical.

C3.1.2.16. NSN 6830-01-471-2787. Purchase Description. Argon, Technical.

C3.1.2.17. NSN 6830-01-471-2789. Purchase Description. Nitrogen.

C3.1.2.18. NSN 6830-01-478-0647. Purchase Description: Xenon, Technical, Maximum Carbon Dioxide: 0.5 ppm.

C3.1.3. FSC 6850, Miscellaneous Chemical Specialties. DSCR has procurement and management responsibility for this FSC. DESC has local purchase authority for bulk Fuel System Icing Inhibitor, NSN 6850-01-057-6427. .

C3.1.4. FSC 9110, Solid Fuel. Defense Supply Center Philadelphia (DSCP) has management and procurement responsibility for this FSC (except coal). Coal is not under integrated management; however, DESC is the central procurement agency for this product within DoD (see volume III of this manual).

C3.1.5. FSC 9130, Petroleum Based Liquid Propellants and Fuels. DESC has procurement and management responsibility for this FSC. DESC does not stock package fuels in this FSC, but will procure them for direct delivery to the end user. The Military Services shall fund for the 500-gallon (1900-liter) collapsible fabric drums. The following items were previously managed and procured by the Air Force Petroleum Office. On October 1, 2001, DoD integrated materiel management of these items transferred to DESC.

C3.1.5.1. NSN 9130-00-180-6385. MIL-T-38219 (USAF), Turbine Fuel, Low Volatility, JP-7.

C3.1.5.2. NSN 9130-00-551-2264, 9130-00-543-7832, and 9130-00-543-7883, MIL-DTL-25524 (USAF), Turbine Fuel, Aviation, Thermally Stable.

C3.1.5.3. NSN 9130-00-543-7429 and 9130-00-559-2475. MIL-P-25576, Propellant, Kerosene.

C3.1.6. FSC 9135, Liquid Propellant Fuels and Oxidizers, Chemical Base. Items in this FSC were previously managed and procured by the Air Force Petroleum Office. On October 1, 2001, these items transferred to DESC for centralized management and procurement.

C3.1.7. FSC 9140, Fuel Oils. DESC has procurement and management responsibility for items in this FSC. DESC does not stock packaged fuels in this FSC, however, DESC will procure them for direct delivery to the end user when required. The Military Services shall fund for 500-gallon (1900-liter) collapsible fabric drums.

C3.1.8. FSC 9150, Oils and Greases: Cutting, Lubricating, and Hydraulic. DSCR has procurement and management responsibility for items in this FSC, except for some non-package (bulk) lubricants. DESC procures the following bulk lubricants:

C3.1.8.1. NSN 9150-00-985-7031. MIL-PRF-6081, Lubricating Oil, Aircraft Turbine Engine.

C3.1.8.2. NSN 9150-00-753-5059 and 9150-01-429-0413, SAE J1899, Lubricating Oil, Aircraft, Piston Engine.

C3.1.8.3. NSN 9150-01-429-0404, 9150-01-429-0417, and 9150-01-430-2884. SAE J1966, Lubricating Oil, Aircraft, Piston Engine (Non-dispersant Mineral Oil).

C3.1.8.4. NSN 9150-00-451-6947, A-A-52039, Lubricating Oil, Automotive Engine.

C3.1.8.5. NSN 9150-00-181-8232. MIL-PRF-9000, Lubricating Oil, Shipboard.

C3.1.8.6. NSN 9150-01-372-6915. MIL-PRF-177331, Lubricating Oil, Steam Turbine, and Gear.

C3.1.9. FSC 9160, Miscellaneous Waxes, Oils, and Fats. DSCP has procurement and management responsibility for items in this FSC.

C3.1.10. FSC 8120, Commercial and Industrial Gas Cylinders. DSCR has procurement and management responsibility for this FSC. The following gas cylinders are purchased by DESC as part of the missile fuels program.

C3.1.10.1. NSN 8120-01-156-0716. Purchase Description: Tank, Liquid Gas.

C3.1.10.2. NSN 8120-01-803-4467. RR-C-901, Cylinder, Compressed Gas.

C3.2. DFAMS PRODUCT CODES. DFAMS products codes, together with DFAMS unit of issue codes, usually describe a particular grade of product and its associated container, if any. A NSN uniquely describes a product and is the only official method of identification. NSNs must be used in all systems to identify items of supply. Product codes may be used for convenience. Product codes and NSNs are subject to frequent changes. NSNs are maintained in the Federal Logistics Information System (FLIS). FLIS provides a current listing of all NSNs and other acquisition information. DESC-BP shall maintain a current listing of all product codes and publish them in DESCH 4120.1, Reference list of Commodities, Specifications, and Standards. This publication is available on the DESC homepage at <http://desc.dla.mil>.