

JMN SPECIALTIES, INC.

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PRODUCT BULLETIN

DOT 111/113™

Cleaner

General Description

DOT 111/113™ is a water-based, non-toxic, biodegradable, cleaning solution for use on metal and other hard surfaces. The product can replace chlorinated solvents scheduled for elimination under the U.S. Clean Air Act and other environmentally objectionable cleaning solvents in specific cleaning applications. It is used to remove hydrocarbon and other organic residue as well as inorganic material from surfaces and is non-corrosive to a wide array of metals, plastics, rubber and other materials. It conforms to NASA test protocol for use in cleaning liquid oxygen systems and is accepted by the U.S. Navy as a pre-cleaner for oxygen systems. It is also used to clean outer surfaces of aircraft and bare metal prior to painting among many other general uses. Airlines headquartered in the United States use **DOT 111/113™** to wash the exteriors of aircraft.

Specification Conformance

DOT 111/113™ has been tested according to the following standards by independent testing laboratories. Conformance criteria varies with individual requirements. Test reports are available upon request. **DOT 111/113™** tested and conforms to NASA NHB 8060.1c, Test 13A, ARP 1755A, GEAE CT 882, Boeing BAC 5763, Boeing D6-17487 Revision J, Douglas CSD #1, MILC-87937A Type II, MIL-C-83873B, SECTION 3.7.5. This list is not all-inclusive.

Physical Properties

Color	Clear light amber to yellow
Specific Gravity	0.99 - 1.02
Flash Point	None to boil
pH	8.9 - 9.1
Odor	Mild detergent
Solubility	Water soluble

Availability

DOT 111/113™ is available in UN approved 5 gallon and 25 liter pails, 55 gallon drums, 275 and 330 gallon tote tanks, and bulk quantities.

Handling

Observe warning label on containers. Normal precautions for industrial chemicals apply. This document does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this product to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.