

NAVISTAR, INC.		
Material, Parts, and Process Specifications (MPAPS)		NUMBER: MPAPS B-50
		<i>Former Designation: CEMS B-50</i>
TITLE: Restricted Chemical Substances		CURRENT REV No.: 1402
		DATE: Feb. 2014
WRITTEN/EDITED BY: Materials Engineering	APPROVED BY: Materials Engineering	SUPERSEDES: CEMS B-50 – Aug 2013
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<i>This specification may involve hazardous materials, equipment, and procedures. This specification does not purport to address all of the safety issues associated with its use. The user is responsible to consult appropriate safety and health practices and to determine the applicability of regulatory limits prior to use.</i>		
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1.0 SCOPE

The purpose of this specification is to describe Navistar policy concerning the usage of certain chemical substances in Navistar products. These restrictions are based on environmental regulations and/or corporate requirements of Navistar, Inc. These substances shall be either excluded from or restricted in parts, materials, equipment, manufacturing processes, or other goods, supplied to and/or manufactured by Navistar, Inc., and intended for use in Navistar trucks, engines, and other branded products.

2.0 INTRODUCTION

Navistar believes that good environmental practice is good business, and is committed to pursuing sustainable strategies related to environmental protection. Sustainability means ensuring success in the present without compromising the future, so Navistar is committed to delivering great products that drive the economy while also operating in a manner that helps the environment and benefits society. Thus, Navistar operates on certain business principles which support environmental protection and reduce the impact of our products on the environment throughout the entire product lifecycle. These principles include producing vehicles and engines which meet all applicable environmental standards in the regions and countries in which we operate, eliminating or minimizing toxic substances from our production materials and end products, and ensuring that employees, suppliers, and customers accept responsibility for meeting environmental requirements when conducting business.

2.1 Regulations

2.1.1 General

Currently companies that sell electronic or automotive products are subject to a variety of environmental regulations. These include RoHS (Restriction of Hazardous Substances directive) which restricts the use of certain chemical substances in the manufacture of electrical and electronic equipment; WEEE (Waste Electrical and Electronic Equipment directive) which sets collection, recycling, and recovery targets related to the disposal of electrical goods; and ELV (End of Life Vehicles directive) which targets hazardous substances related to the dismantling of vehicles and components at their end of life. The automotive industry adheres to the requirements of the Global Automotive Declarable Substance List (GADSL), which covers declaration of certain information about substances relevant to parts and materials supplied by the supply chain to automotive manufacturers.

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2.1.2 REACH

The European Union (EU) has adopted a new restricted substance regulation called REACH (Registration, Evaluation, Authorization, and Restriction of Chemicals), which increases complexity and mandatory tracking of substances in most every product used by the EU or shipped into the EU. This regulation requires the registration of hazardous substances that are sold, imported, manufactured, or used above certain quantities, and includes basic substances, materials, and components. In principle, REACH applies to all chemicals: not only chemicals used in industrial processes but also in our day-to-day life, for example in cleaning products and paints, as well as in articles such as clothes, furniture and electrical appliances. REACH applies to all substances with a few exemptions: radioactive substances, substances under customs supervision, waste, substances used in medicinal products (or other substances covered by equivalent legislation). Polymers are, for the time being, exempted from registration. REACH regulations also include substances of very high concern (SVHC), which are classified as: carcinogenic, mutagenic, or toxic to reproduction; persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB); or those substances identified, on a case-by-case basis, as causing probable serious effects to human health or the environment (e.g. endocrine disrupters).

2.1.3 Conflict Minerals

The U.S. Congress enacted section 1502 of the Dodd-Frank Act which required the Securities and Exchange Commission (SEC) to adopt rules to require certain SEC registrants to publically disclose their use of Conflict Minerals originating from the Democratic Republic of the Congo (DRC) or any of the nine adjoining countries: Angola, Burundi, Central African Republic, Congo Republic, Rwanda, Sudan, Tanzania, Uganda, and Zambia. These rules went into effect at the end of 2012 and require companies to report on their Conflict Mineral use annually starting in 2013. Navistar is committed to complying with the requirements of the SEC rules.

Conflict minerals are minerals mined in conditions of armed conflict and human rights abuses. The conflict minerals include gold, columbite-tantalite (coltan), cassiterite, wolframite, or their derivatives tantalum, tin, and tungsten. Under the 1502 Dodd-Frank Act, companies subject to the SEC annual reporting requirement are required to exercise due diligence on the source and chain of custody of their conflict minerals. The company is required to make the annual report available on their website and maintain records relating to the country of origin inquiries from their suppliers.

2.2 Design Requirements

It is expected that all suppliers to Navistar become familiar with the requirements of this specification, and that the design and fabrication of Navistar products, parts, components, or assemblies comply with the requirements defined herein.

3.0 APPLICATION

This specification is applicable to all parts, materials, components, assemblies, and subassemblies, whose material and/or product specifications are referenced to this specification.

4.0 REFERENCE DOCUMENTS

Unless otherwise specified, the latest issue of all referenced standards applies. The following specifications, standards, and regulations are referenced herein.

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