

# ISO 20053:2017-09 (E)

## Ships and marine technology - Marine environment protection - Specifications on design and selection of sorbents

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>4</b>	<b>Sorbent materials and forms .....</b>	<b>2</b>
4.1	General .....	2
4.2	Examples of sorbent materials .....	2
4.2.1	Synthetic organic materials .....	2
4.2.2	Natural organic materials .....	2
4.2.3	Inorganic materials .....	2
4.3	Forms of sorbents .....	2
4.3.1	Sorbent booms .....	2
4.3.2	Pads .....	2
4.3.3	Pillows .....	2
4.3.4	Pom-poms .....	2
4.3.5	Rolls .....	3
<b>5</b>	<b>Selection criteria .....</b>	<b>3</b>
5.1	General .....	3
5.2	Buoyancy .....	3
5.3	Oil retention .....	3
5.4	Sorption capacity .....	3
5.4.1	Viscosity .....	3
5.4.2	Comparison test .....	3
5.5	Reusability .....	3
5.6	Biodegradability .....	4
5.7	Disposal .....	4
<b>6</b>	<b>Data to be provided by manufacturers .....</b>	<b>4</b>
<b>7</b>	<b>Designation and marking .....</b>	<b>4</b>
7.1	General .....	4
7.2	Marking .....	5
Bibliography .....		6