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TECHNICAL DATA SHEET ROD-3146 OPTISPERSE BLACK IRON OXIDE

Version: 2/2026 **Revised: 09/16/2026** **Date Issued: 03/01/2022**

Ingredient INCI Name	CAS Number	EINECS	Color Index Number	Color Index Name
Iron Oxide (black)	12227-89-3	235-442-9	77499	Pigment Black 11
Caprylic/Capric Triglyceride	73398-61-5	277-452-2	n/a	n/a
Polyhydroxystearic Acid	27924-99-8	Polymer, exempt	n/a	n/a
Triethoxycaprylylsilane	2943-75-1	220-941-2	n/a	n/a
Isostearic Acid	30399-84-9	250-178-0	n/a	n/a
Polyglyceryl-3 Polyricinoleate	29894-35-7; 235783-76-3	Polymer, exempt	n/a	n/a
Lecithin	8002-43-5	232-307-2	n/a	n/a

Tests Conducted on Substrate

Heavy Metals Content

Arsenic	not more than	3 ppm
Barium	not more than	50 ppm
Cadmium	not more than	1 ppm
Chromium	not more than	100 ppm
Copper	not more than	50 ppm
Lead	not more than	5 ppm
Mercury	not more than	1 ppm
Nickel	not more than	200 ppm
Zinc	not more than	100 ppm

Chemical Properties

Water Soluble Substances	Maximum 1%
Organic Color	Negative

Hydrophobicity

Floats on still water at least 1 hour

Particle Size Analysis

Available Upon Request

Microbiological Limits

Combined count of less than 50 microorganisms per gram and the absence of gram negative bacteria.

Shelf Life

5 years (Sealed drums under ambient conditions)

Regulatory

Substrate conforms to US CFR Title 21, Part 73 and European E-172 regulations for iron oxides