

## Iron Oxide Brown, Liquid

### Specification Sheet

**Description:** Cosmetic-grade inorganic pigments (iron oxide red, yellow & black) dispersed in octyldodecyl oleate. 45-50% pure dye content. Very fine dispersion (free of aggregates > 5 microns). Water-insoluble, oil-dispersible.

**CAS:** 1309-37-1, 51274-00-1, 12227-89-3, 22801-45-2

**INCI Name:** Iron Oxide (CI 77491), Iron Oxide (CI77492), Iron Oxide (CI77499), Octyldodecyl Oleate

**Composition:** Iron Oxide (CI 77491), Iron Oxide (CI77492), Iron Oxide (CI77499), Octyldodecyl Oleate

**Appearance:** Viscous brown liquid, odorless.

**Benefits:**

- High-quality extra fine color dispersion providing superior color purity and saturation.
- Can be easily incorporated into various color cosmetics.

**Use:** Typical use level 0.1 - 20%. Can be tinted with other oil-dispersed colors or oil-dispersed titanium dioxide to create lighter shades. Gives a slightly reddish tone when diluted. For external use only.

**Applications:** Decorative cosmetics as foundations, lipsticks, nail lacquers, eye liners, lip liners, lip gloss, blush, soaps, bath salts.

**Solubility:** Water-insoluble, oil-dispersible

**Preservation:** Preservative-free

**Storage:** Store light-protected at a cool and dry place.

**Country of Origin:** USA

**Raw material source:** Iron salts

**Manufacture:** Thermal decomposition of iron salts, precipitation of iron salts, and reduction of organic compounds by iron. Final pigment is dispersed in octyldodecyl oleate.

**Animal Testing:** Not animal tested.

**GMO:** GMO-free (does not contain plant-derived components)

**Vegan:** Does not contain animal-derived components.

**HS Code:** 3206490000

**Regulatory Information:** Iron Oxide Brown is a FDA-approved color additive but is exempt from batch certification. It is safe for use in coloring cosmetics generally, including cosmetics applied to the area of the eye, in amounts consistent with good manufacturing practice.