



TKB Trading
939 E 11th St
Oakland, CA 94606
www.tkbtrading.com
support@tkbtrading.com

TECHNICAL DATA SHEET **Red Oxide Red Shade**

REGULATORY COMPLIANCE:

U.S. FDA - Listed in CFR 21 §73.2250

EU (EC) No 1223/2009 – Annex IV (E172) *as per Commission Regulation (EU) No 231/2012*

Japan – Not regulated

China 2007 Hygienic Standard for Cosmetics

ASEAN Cosmetic Directive, Annex IV, Part 1

Brazil ANVISA RDC No 44, August 2012

IDENTIFICATION DATA

U.S. Government Name:

Synthetic Iron Oxide

Chemical Name:

Iron Oxide

INCI Name:

US:

Iron Oxides

EU:

CI 77491

Japan:

Red Oxide of Iron

EINECS No.:

215-168-2

REACH N°:

01-2119457614-35-0078

C.A.S. No.:

1309-37-1

Substratum:

None

SPECIFICATIONS

Heavy Metals

Sb < 10 ppm	Ba < 50 ppm	Cr < 100 ppm	Cu < 50 ppm	Hg < 1 ppm	Se < 15 ppm
As < 3 ppm	Cd < 1 ppm	Co < 50 ppm	Pb < 10 ppm	Ni < 200 ppm	Zn < 100 ppm

Assay:

> 68 %

Water Soluble Matter:

< 1 %

Organic Color:

Negative

Chinese Hygiene Standards for Cosmetics (2007)

Color Index Number	US INCI NAME	Allowed Field of Application	Other Limitations and Requirements	Results
EU, China, ASEAN, Brazil INCI Name				
CI 77491	Iron Oxides	1 – Various Cosmetics	None	Compliant

Physical Form and Appearance:

Reddish Brown Dry Powder

Color Measurement (CIE lab color):

DE ≤ 1.4, Strength 95-105%

Microbiology Specification:

≤ 100 CFU/g Bacteria

≤ 100 CFU/g Yeast & Mold combined

No Pathogens

“Although the data supplied above are believed to be correct, the data are presented without any representation or warranty concerning the suitability, performance or correctness of the product for a particular application or use. Significant variations can occur between test results and results obtained in actual use. We strongly advise that before purchase the buyer test the product in the specific intended application under conditions expected during use.



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RESISTANCE PROPERTIES

The chemistry and application of the pigment determines the resistance property. The Resistance properties are based on its performance versus all other pigments used in the Cosmetic industry.

Heat:	Excellent
Light:	Excellent
Acid (Dilute):	Good
Alkali (Dilute):	Good
Solvent:	Excellent

SHELF LIFE: Ten years, provided it is stored in dry, clean, opaque sealed containers at room temperature (< 25°C). For storage conditions see product Safety Data Sheet.

USE RESTRICTIONS: Red Oxide Red Shade is approved for all cosmetic products in US, EU, Japan, China, ASEAN and Brazil. It may be used in amounts consistent with current good manufacturing practice.

COUNTRY OF ORIGIN: USA

GENERAL PRODUCT INFORMATION:

C33-8075 is synthetically derived and is not manufactured using raw materials of plant or animal origin, wheat or other grains; therefore it is considered to be Bovine Spongiform Encephalopathy (BSE), Genetically Modified Organisms (GMO) and gluten free. Also, the product does not contain any Palm Oil, preservatives, pesticides or any of the 26 allergens listed in the EU Regulation No 1223/2009 as intentional ingredients. C33-8075 does not use any solvents (Class 1, Class 2, Class 3, or Class 4) as defined by USP <467> during its manufacture. It also does not contain any known or intentional amounts of Aflatoxin / Dioxin, phthalates or any of the other materials listed below. However, this product has not been analyzed by Sun Chemical for these substances and no actual data is available.

▪ Nitrosamines & Aromatic Amines	▪ Diethylene Glycol	▪ Acrylamide	▪ 1-4 Dioxane
▪ Polycyclic Aromatic Hydrocarbons	▪ Ethylene Oxide	▪ Glycol Ether	▪ Formaldehyde
▪ Butyl Benzyl Phthalate (BBP)	▪ Diethyl Phthalate	▪ Dibutyl Phthalate (DBP)	▪ Diethylhexyl Phthalate (DEHP)
▪ Diisononyl Phthalate (DINP)	▪ Di-n-octyl Phthalate (DNOP)	▪ Diisodecyl Phthalate (DIDP)	

TKB Trading has not conducted nor sponsored animal studies for any of the components in our Cosmetics products. Due to the registration requirements under European REACH we may need to acquire right of access to studies conducted outside the scope of the European Cosmetic Regulation for same chemistry but different grades.

It is our understanding that these studies that involved animal testing have not been used to justify the fitness of use of our products under the Cosmetic Regulation.

Further, we believe that even in the case of these tests, they were conducted prior to the restriction on animal testing for cosmetics ingredients under the European Cosmetic Regulation. Additionally, it is not classified as CMR under current EU directives.

Please refer to the Safety Data Sheet for the global inventory status of this product.

TDS is computer generated and therefore valid without signature.

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