

**SECTION 1: Identification**

Product Name: Sparkle Bronze
Intended Use: Cosmetic raw material
Supplier: TKB Trading, LLC | 939 E 11th St, Oakland, CA 94606
Phone / Web: 510-451-9011 | www.tkbtrading.com | support@tkbtrading.com
Revision: 13.01.2022

SECTION 2: Hazards Identification

GHS Classification: Not a hazardous substance or mixture.
GHS Label Elements: Not a hazardous substance or mixture.
Other Hazards: None known.

SECTION 3: Composition / Ingredients

Ingredient	Concentration (% w/w)	CAS No.	Classification
Mica (muscovite)	≥70 – <90	12001-26-2	Not classified
Diiron trioxide	≥20 – <30	1309-37-1	Not classified

SECTION 4: First Aid Measures

If Inhaled: Fresh air.
Skin Contact: Remove contaminated clothing. Rinse skin with water/shower.
Eye Contact: Rinse with plenty of water. Remove contact lenses.
If Swallowed: Make victim drink water (two glasses at most). Consult doctor if feeling unwell.
Symptoms: No description of any toxic symptoms.
Notes to Physician: No information available.

SECTION 5: Fire-Fighting Measures

Extinguishing Media: Use measures appropriate to local circumstances and surrounding environment.
Unsuitable Media: No limitations on extinguishing agents.
Specific Hazards: Not combustible. Ambient fire may liberate hazardous vapors.
Further Information: Suppress gases/vapors/mists with a water spray jet.
Firefighter PPE: In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

Personal Precautions: Avoid inhalation of dusts. Evacuate danger area. Consult an expert. Wear PPE (see Section 8).
Environmental: No special precautionary measures necessary.
Containment & Cleanup: Take up dry. Dispose properly. Clean up affected area. Avoid generation of dusts.

SECTION 7: Handling and Storage

Safe Handling: Observe label precautions.
Storage Conditions: Keep tightly closed and dry. See Section 10 for decomposition risks.

SECTION 8: Exposure Controls / Personal Protection

Substance	CAS No.	Value Type	Limit	Basis
General dust limit	42945	TWA (total dust)	15 mg/m ³	OSHA Z-3
		TWA (resp. frac.)	5 mg/m ³	OSHA Z-3
Mica (muscovite)	12001-26-2	TWA (resp. PM)	3 mg/m ³	ACGIH
		TWA (respirable)	3 mg/m ³	NIOSH REL
Diiron trioxide	1309-37-1	TWA (resp. PM)	5 mg/m ³	ACGIH
		TWA (dust & fume)	5 mg/m ³ (Fe)	NIOSH REL
		TWA (fumes)	10 mg/m ³	OSHA Z-1
		TWA (total dust)	15 mg/m ³	OSHA Z-1

Engineering Controls: Technical measures given priority over PPE. See Section 7.
Respiratory Protection: Required when dusts are generated.
Hand Protection: Chemical-resistant, impervious gloves (approved standard).
Eye Protection: Safety glasses.
Hygiene Measures: Change contaminated clothing. Wash hands after working with substance.

SECTION 9: Physical and Chemical Properties

Physical State:	Powder / Solid	Water Solubility:	Practically insoluble at 20°C
Color:	Light brown	Flammability:	Not flammable
Odor:	Odorless	Explosive Properties:	Not classified as explosive
pH:	5.0–9.0 (at 100 g/l, 20°C slurry)	Oxidizing Properties:	None
Density:	2.9–3.1 g/cm ³ at 20°C	Particle Size:	10.0–125.0 µm; mean 28.0–42.0 µm
Bulk Density:	260–280 kg/m ³		

SECTION 10: Stability and Reactivity

Reactivity: Chemically stable under standard ambient conditions.
Chemical Stability: Stable at room temperature.
Hazardous Reactions: No information available.
Conditions to Avoid: No information available.
Incompatible Materials: No information available.
Hazardous Decomp.: In the event of fire: See Section 5.

SECTION 11: Toxicological Information**Carcinogenicity**

- IARC:** No ingredient at $\geq 0.1\%$ identified as probable, possible or confirmed human carcinogen.
- OSHA:** No component at $\geq 0.1\%$ on OSHA's list of regulated carcinogens.
- NTP:** No ingredient at $\geq 0.1\%$ identified as known or anticipated carcinogen by NTP.

Animal experiments indicate no toxicologically relevant properties. Substance is poorly absorbed; no hazardous properties anticipated. Inhalation of dusts should be avoided as inert dusts may impair respiratory organ functions. Skin tolerance (rabbit): no irritant effect. Eye irritation (rabbit): no irritant effect. Sensitization (guinea pig): no sensitizing potential. LD $\blacksquare$ (oral, rat): not determinable — all animals alive after 15,000 mg/kg. Subchronic toxicity (rat): no findings up to 50,000 ppm. Chronic toxicity (rat): 5% product in feed for 2.5 years — no changes. LC $\blacksquare$ (inhalational, rat): 4.6–14.9 mg/l (male); >14.9 mg/l (female). No genotoxic effects in micronucleus test up to 2,000 mg/kg.

Diiron trioxide (1309-37-1):

Acute oral toxicity:	LD50 Rat: $>5,000$ mg/kg (ECHA)
Acute inhalation toxicity:	LC50 Rat: 5 mg/l; 4h aerosol — OECD TG 403 (ECHA)
Skin irritation:	Rabbit — No skin irritation — OECD TG 404 (ECHA)
Eye irritation:	Rabbit — No eye irritation — OECD TG 405 (ECHA)
Sensitization:	Guinea pig (Maurer) — Not a skin sensitizer (ECHA)
Genotoxicity in vivo:	Rat — Result: negative (ECHA)
Genotoxicity in vitro:	Ames test — Result: negative (ECHA)

SECTION 12: Ecological Information

- Ecotoxicity:** No ecological problems expected when handled with due care and attention.
- Persistence/Degradability:** No information available.
- Bioaccumulation:** Partition coefficient n-octanol/water: not applicable.
- Mobility in Soil:** No information available.

Diiron trioxide aquatic toxicity:

Toxicity to fish:	Static test Danio rerio (zebra fish); 96h
Toxicity to daphnia:	EC50 Daphnia magna: >100 mg/l; 48h — OECD TG 202 (above solubility limit)
Toxicity to bacteria:	EC50 activated sludge: $>10,000$ mg/l; 3h (above solubility limit)

SECTION 13: Disposal Considerations

Dispose of waste material in accordance with national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

SECTION 14: Transport Information

- Classification:** Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory Information**EPCRA / CERCLA / SARA**

CERCLA RQ:	Does not contain any components with a CERCLA reportable quantity.
SARA 304:	Does not contain any components with a Section 304 EHS reportable quantity.
SARA 302:	No chemicals subject to SARA Title III, Section 302 reporting requirements.
SARA 313:	No chemical components exceeding De Minimis threshold (SARA Title III, Section 313).

Clean Air Act

Does not contain Class I or II ODS (40 CFR 82, Subpt. A, App.A+B).
 Does not contain hazardous air pollutants (HAP) per Section 112 (40 CFR 61).
 Does not contain chemicals listed under Section 112(r) (40 CFR 68.130, Subpart F).
 Does not contain SOCM Intermediate or Final VOCs (40 CFR 60.489).

Clean Water Act

Does not contain Hazardous Substances listed under CWA Section 311, Table 116.4A or 117.3.
 Does not contain toxic pollutants listed under CWA Section 307.

US State Regulations — Right to Know

Massachusetts:	Mica (muscovite) CAS 12001-26-2 Diiron trioxide CAS 1309-37-1
Pennsylvania:	Mica (muscovite) CAS 12001-26-2 Diiron trioxide CAS 1309-37-1
New Jersey:	Mica (muscovite) CAS 12001-26-2 Diiron trioxide CAS 1309-37-1

California Prop. 65: Does not contain chemicals known to cause cancer, birth defects, or reproductive harm.

TSCA: Regulated under the Food, Drug, and Cosmetic Act — exempt from TSCA.

DSL: Product or its components are listed on or compliant with the DSL.

SECTION 16: Other Information

This Safety Data Sheet is correct to the best of TKB Trading's knowledge and belief at the date of publication. The information is designed as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process.