



Australian Amber

Version
1.6

Revision Date:
08.13.2021

SECTION 1. IDENTIFICATION

Product identifier

Australian Amber

Product number :KA-402

Recommended use of the chemical and restrictions on use

Recommended use :
Cosmetic raw material

Details of the supplier of the safety data sheet

Company TKB Trading, LLC
1101 9th Ave, Oakland, CA, 94606

Emergency telephone (510)-922-9027

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/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Chemical nature Mica coated with:
titanium dioxide, ferric oxide

Hazardous ingredients

Chemical name	Concentration (% w/w)	CAS-No.
mica (muscovite)	>= 50 - < 70	12001-26-2
Diiron trioxide	>= 30 - < 50	1309-37-1
titanium(IV) oxide	>= 1 - < 5	13463-67-7



Australian Amber

Version
1.6

Revision Date:
08.13.2021

crystalline silica	>= 0.1 - < 1	1317-95-9
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SECTION 4. FIRST AID MEASURES

- If inhaled : Fresh air.
- In case of skin contact : Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- In case of eye contact : Rinse out with plenty of water.
Remove contact lenses.
- If swallowed : Make victim drink water (two glasses at most). Consult doctor if feeling unwell.
- Most important symptoms and effects, both acute and delayed : We have no description of any toxic symptoms.
- Notes to physician : No information available.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : For this substance/mixture no limitations of extinguishing agents are given.
- Specific hazards during fire fighting : Not combustible.

Ambient fire may liberate hazardous vapors.
- Further information : Suppress (knock down) gases/vapors/mists with a water spray jet.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Advice for non-emergency personnel:
Avoid inhalation of dusts.
Evacuate the danger area, observe emergency procedures, consult an expert.
Advice for emergency responders:
Protective equipment see section 8.
Indications about waste treatment see section 13.
- Environmental precautions : No special precautionary measures necessary.
- Methods and materials for containment and cleaning up : Observe possible material restrictions (see sections 7 and 10).
Take up dry. Dispose of properly. Clean up affected area.
Avoid generation of dusts.

Australian Amber

Version
1.6

Revision Date:
08.13.2021

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling : Observe label precautions.

Conditions for safe storage, including any incompatibilities

Storage conditions : Tightly closed.

Dry.

Risks from decomposition products: see section 10

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
General threshold limit value for dust	42945	TWA (total dust)	50 Million particles per cubic foot	OSHA Z-3
		TWA (total dust)	15 mg/m ³	OSHA Z-3
		TWA (respirable fraction)	5 mg/m ³	OSHA Z-3
		TWA (respirable fraction)	15 Million particles per cubic foot	OSHA Z-3
mica (muscovite)	12001-26-2	TWA (Respirable fraction)	3 mg/m ³	ACGIH
		TWA (Dust)	20 Million particles per cubic foot	OSHA Z-3
		TWA (Respirable)	3 mg/m ³	NIOSH REL
		TWA (respirable dust fraction)	3 mg/m ³	OSHA P0
Diiron trioxide	1309-37-1	TWA (Respirable fraction)	5 mg/m ³	ACGIH
		TWA (dust and fume)	5 mg/m ³ (Iron)	NIOSH REL
		TWA (Fumes)	10 mg/m ³	OSHA Z-1
		TWA (total)	15 mg/m ³	OSHA Z-1

Australian Amber

Version
1.6

Revision Date:
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		dust)		
		TWA (respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (Fumes)	10 mg/m ³	OSHA P0
titanium(IV) oxide	13463-67-7	TWA (total dust)	15 mg/m ³	OSHA Z-1
		TWA (Total dust)	10 mg/m ³	OSHA P0
		TWA	10 mg/m ³ (Titanium dioxide)	ACGIH
crystalline silica	1317-95-9	TWA (respirable dust fraction)	0.1 mg/m ³	OSHA P0
		TWA (Respirable fraction)	0.025 mg/m ³ (Silica)	ACGIH
		TWA (Respirable dust)	0.05 mg/m ³ (Silica)	NIOSH REL
		TWA (Respirable dust)	0.05 mg/m ³ (Quartz)	OSHA Z-1

Engineering measures : Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.
See section 7.

Personal protective equipment

Respiratory protection : required when dusts are generated.

Hand protection

Additional Protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection : Safety glasses

Hygiene measures : Change contaminated clothing. Wash hands after working with substance.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : powder

Form : solid



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Color	brown
Odor	odorless
Odor Threshold	Not applicable
pH	6.0 - 10.0 at 100 g/l 68 °F (20 °C) (slurry)
Melting point	No information available.
Boiling point/boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	No information available.
Flammability (solid, gas)	The product is not flammable.
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapor pressure	Not applicable
Relative vapor density	Not applicable
Density	3.3 - 3.5 g/cm ³ at 68 °F (20 °C)
Relative density	No information available.
Water solubility	at 68 °F (20 °C) practically insoluble
Partition coefficient: n-octanol/water	Not applicable
Autoignition temperature	Not applicable
Decomposition temperature	No information available.
Viscosity, dynamic	Not applicable
Explosive properties	Not classified as explosive.



Australian Amber

Version
1.6

Revision Date:
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Oxidizing properties	none
Bulk density	260 - 320 kg/m ³
Particle size	10.0 - 60.0 µm Particle size 18.0 - 25.0 µm Mean particle size

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: See below
Chemical stability	: The product is chemically stable under standard ambient conditions (room temperature) .
Possibility of hazardous reactions	: no information available
Conditions to avoid	: no information available
Incompatible materials	: no information available
Hazardous decomposition products	: in the event of fire: See section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Product

Carcinogenicity
IARC

Group 1: Carcinogenic to humans

crystalline silica 1317-95-9

Group 2B: Possibly carcinogenic to humans

titanium(IV) oxide 13463-67-7

Group 3: Not classifiable as to its carcinogenicity to humans

Diiron trioxide 1309-37-1

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

Known to be human carcinogen

crystalline silica 1317-95-9

Likely route of exposure

Inhalation, Eye contact, Skin contact, Ingestion

Australian Amber

Version
1.6Revision Date:
08.13.2021

Experience with human exposure

Other Relevant Toxicity Information:

The results of animal experiments using pigments of this type indicate no toxicologically relevant properties. Since the substance is poorly absorbed, no hazardous properties are to be anticipated. Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions. The individual test results were as follows: skin tolerance (rabbit): no irritant effect; eye irritation test (rabbit): no irritant effect; sensitization test (guinea pig): no sensitizing potential. LD₅₀(oral, rat): not determinable; all animals still alive after 15,000 mg/kg.

Subchronic toxicity (rat): no appreciable findings up to 50 000 ppm.

Chronic toxicity (rat): 5 % of the product added to the feed for a period of 2.5 years did not show any toxicological changes or carcinogenic effects in animals.

LC₅₀ (inhalational, rat): male animals: between 4.6 and 14.9 mg/l air; female animals: > 14.9 mg/l air.

The product did not show any genotoxic effects in the micronucleus test carried out in rats in concentrations of up to 2000 mg/kg (limit test).

Handle in accordance with good industrial hygiene and safety practice.

Ingredients

mica (muscovite) (12001-26-2):

No information available.

Diiron trioxide (1309-37-1):

Acute oral toxicity

LD50 Rat: > 5,000 mg/kg (ECHA)

Acute inhalation toxicity

LC50 Rat: 5 mg/l; 4 h ; aerosol (ECHA)
OECD Test Guideline 403

Skin irritation

Rabbit

Result: No irritation

OECD Test Guideline 404
(ECHA)

Eye irritation

Rabbit

Result: No eye irritation

OECD Test Guideline 405
(ECHA)

Sensitization

Guinea pig

Result: Not a skin sensitizer.

(ECHA)

Germ cell mutagenicity



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Genotoxicity in vivo
Genotoxicity in vivo
Rat
Result: negative
(ECHA)

Genotoxicity in vitro
Ames test
Result: negative
Metabolic activation: with and without metabolic activation
(ECHA)

titanium(IV) oxide (13463-67-7):

Acute oral toxicity
LD50 Rat: > 10,000 mg/kg (External MSDS)

Skin irritation
Rabbit
Result: No skin irritation
(IUCLID)

Eye irritation
Rabbit
Result: No eye irritation
(IUCLID)

crystalline silica (1317-95-9):

No information available.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity **Product**

Persistence and degradability
No information available.

Bioaccumulative potential
Partition coefficient: n-octanol/water
Not applicable

Mobility in soil
No information available.

Additional ecological information
No ecological problems are to be expected when the product is handled and used with due care and attention.

Ingredients



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mica (muscovite) (12001-26-2):

No information available.

Diiron trioxide (1309-37-1):

Toxicity to daphnia and other aquatic invertebrates
EC50 Daphnia magna (Water flea): > 100 mg/l; 48 h
OECD Test Guideline 202 (ECHA)

titanium(IV) oxide (13463-67-7):

Toxicity to fish
LC0 Leuciscus idus (Golden orfe): > 1,000 mg/l(External MSDS)

Toxicity to bacteria
EC0 Pseudomonas fluorescens: > 5,000 mg/l(External MSDS)

crystalline silica (1317-95-9):

No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Product Waste : Waste material must be disposed of 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

Not classified as dangerous in the meaning of transport regulations.



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SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

mica (muscovite)	12001-26-2
Diiron trioxide	1309-37-1
titanium(IV) oxide	13463-67-7

Pennsylvania Right To Know

mica (muscovite)	12001-26-2
Diiron trioxide	1309-37-1
titanium(IV) oxide	13463-67-7

New Jersey Right To Know

mica (muscovite)	12001-26-2
Diiron trioxide	1309-37-1



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titanium(IV) oxide
crystalline silica
California Prop. 65

13463-67-7
1317-95-9

WARNING: This product can expose you to one or more chemicals which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

titanium(IV) oxide

13463-67-7

crystalline silica

1317-95-9

The ingredients of this product are reported in the following inventories:

DSL : This product or its components are listed on or compliant with the DSL.
TSCA : All components of the product are listed in the TSCA-inventory.

SECTION 16. OTHER INFORMATION

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a 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, unless specified in the text.