CHEMQUEST INTERNATIONAL

CHEMQUEST INTERNATIONAL, INC.

Safety Data Sheet
Annatto Oil (Refined)

Version 2.0 • Date of issue: 2024-03-09

SECTION 1: Identification

1.1 GHS Product identifier

Product name	Annatto Oil (Refined)
Product number	486376 RBD
Brand	ChemQuest International

1.2 INCI Bixina orellana seed extract, Helianthus Annuus seed oil

1.3 Recommended use of the chemical and restrictions on use

Industrial, Manufacturing or Laboratory use.

1.4 Supplier's details

Name	ChemQuest International, INC.
Address	820 Turnberry Court Hanover Park IL 60133 USA
Telephone	630-628-1900
email	regulatory@chemquestint.com

1.5 Emergency phone number

INFOTRAC 1-800-535-5053

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Component	Concentration
Bixa orellana pulp extract (CAS no.: 89957-43-7; EC no.: 289-561-2)	**5 %**
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Sunflower oil (CAS no.: 8001-21-6; EC no.: 232-273-9)	**95 %**
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled

Remove to fresh air and promote deep breathing. Get medical attention if effects persist.

In case of skin contact

Wash with plenty of soap and water. Get medical attention if irritation develops or persists.

Acute and delayed symptoms and effects: May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

In case of eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical attention

Acute and delayed symptoms and effects: May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

If swallowed

Do not induce vomiting. Never give anything by mouth to an unconscious person. Give water to drink if conscious. Get medical attention if effects persist.

Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically and supportively.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

No data available.

5.3 Special protective actions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further information
Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 Environmental precautions
Do not discharge product into natural waters without pre-treatment or adequate dilution.

6.3 Methods and materials for containment and cleaning up
Soak up with inert absorbent material and dispose of in accordance with applicable local or national requirements. Keep in suitable, closed containers for disposal.

Reference to other sections
For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Do not eat, drink or smoke while handling. Wash hands with soap and water after handling. Keep out of the reach of children. For precautions see section 2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use(s)
Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Sunflower oil (CAS: 8001-21-6 EC: 232-273-9)
REL-TWA (Inhalation): 10 mg/m3 (Total) (NIOSH)

REL-TWA (Inhalation): 5 mg/m3 (Res) (NIOSH)

PEL-TWA (Inhalation): 5 mg/m3 (Res) (Cal/OSHA)

PEL-TWA (Inhalation): 10 mg/m3 (Total) (Cal/OSHA)

8.2 Appropriate engineering controls
Manufacturing Sites:
Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

Distribution, Workplace and Household Settings:

Ensure adequate ventilation

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Manufacturing Sites:
Safety glasses are recommended if splash hazard.

Distribution, Workplace and Household Settings:
No special protective equipment required

Skin protection
Manufacturing Sites:
Wear protective gloves, such as nitrile gloves.

Distribution, Workplace and Household Settings:
No special protective equipment required

Body protection
Manufacturing Sites:
Wear suitable protective clothing.

Distribution, Workplace and Household Settings:
No special protective equipment required

Respiratory protection
Manufacturing Sites:
Provide good ventilation. Respiratory protection is not required under normal use conditions.

Distribution, Workplace and Household Settings:
No special protective equipment required

Thermal hazards
No data available.

Environmental exposure controls
No data available.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	No data available.
Color	Translucent reddish
Odor	Characteristic
Odor threshold	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flammability	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	No data available.
Explosive properties	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Oxidizing properties	No data available.

pH	No data available.
Kinematic viscosity	No data available.
Solubility	Insoluble in water
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	No data available.
Evaporation rate	No data available.
Density and/or relative density	No data available.
Relative vapor density	No data available.

Further safety characteristics (supplemental)
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
Contact with incompatible materials. Sources of ignition. Exposure to heat.

10.2 Chemical stability
Stable under normal storage conditions.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials
Sunflower oil: Bases, Oxidizing agents, Reducing agents

10.6 Hazardous decomposition products
No data available.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.
Acute and delayed symptoms and effects from inhalation, skin and eye contact and ingestion are listed in Section 4.

Skin corrosion/irritation
Based on available data, classification data are not met

Serious eye damage/irritation
Based on available data, classification data are not met

Respiratory or skin sensitization
Based on available data, classification data are not met

Germ cell mutagenicity
Based on available data, classification data are not met

Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH,NTP, or EPA classification

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
Based on available data, classification data are not met

Specific target organ toxicity (STOT) - single exposure
Based on available data, classification data are not met

Specific target organ toxicity (STOT) - repeated exposure
Based on available data, classification data are not met

Aspiration hazard
Based on available data, classification data are not met

SECTION 12: Ecological information

Toxicity
No data available on product

Persistence and degradability
No data available on product

Bioaccumulative potential
No data available on product

Mobility in soil
No data available on product.

Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects
No data available on product.

SECTION 13: Disposal considerations

Disposal methods

Product disposal
Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Packaging disposal
Dispose of as unused product.

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

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

SARA 313 Components
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.

SARA 311/312 Hazards
No SARA hazards.

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components
No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know Components
No components are subject to the New Jersey Right to Know Act.

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

New Jersey Right To Know Components
Sunflower oil
CAS-No. 8001-21-6

Pennsylvania Right To Know Components
Sunflower oil
CAS-No. 8001-21-6

Canadian Domestic Substances List (DSL)
Chemical name: Sunflower oil
CAS number: 8001-21-6

SECTION 16: Other information

16.1 Further information/disclaimer
DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall ChemQuest International be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if ChemQuest International has been advised of the possibility of such damages.