

Safety Data Sheet

Golden Yellow Candle Dye Flakes (V001222)

February 7, 2020

Section 1: Chemical Product and Company Identification

| | |
|--------------------------------|---|
| Product name: | Golden Yellow Candle Dye Flakes |
| Contact Info: | Bramble Berry Inc. 2138 Humboldt Street Bellingham, WA 98225 info@brambleberry.com www.brambleberry.com 1-877-627-7883 |
| Emergency Phone Number: | Within USA & Canada: 1.800.424.9300 CCN693143 Outside USA & Canada: +1.703.527.3887 (collect calls accepted) |

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP): Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

| | |
|--------------------------------|--|
| Nature of Hazard | --- |
| Hazard statements (CLP) | H412 Harmful to aquatic life with long lasting effects |
| Precautionary statements (CLP) | P273 Avoid release to the environment. P501 Dispose of contents/container to hazardous or special waste collection point. |

Hazard-determining component(s) of labelling

Special provisions concerning the labelling of certain

Mixtures

2.3 Other hazards

Section 3: Composition/Information on Ingredients

3.1 Substances

Mixture of waxes, colouring agents and additives

3.2 Mixtures

| | |
|-----------------------|---|
| Hazardous ingredients | bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate: 3 % - 9,99 % CAS-Number: 52829-07-9 EINECS / ELINCS / NLP: 258-207-9 REACH registration No.: 01-2119537297-32 Classification according to EC regulation 1272/2008 (CLP): |
|-----------------------|---|

Aquatic toxicity - chronic 2; H411 / Eye Irritation 2; H319

Full text of R-, H- and EUH-phrases: see section 16.

Section 4: First Aid Measures

4.1 Description of first aid measures

| | |
|-------------------------|--|
| General information | If you feel unwell, seek medical advice. |
| In case of inhalation | Move victim to fresh air. Seek medical aid in case of troubles. |
| In case of skin contact | Thoroughly wash skin with soap and water. |
| After eye contact | Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if irritation persists. |
| After swallowing | Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Seek medical treatment in case of troubles. |

4.2 Most important symptoms and effects, both acute and delayed

Symptoms ---

4.3 Indication of any immediate medical attention and special treatment needed

Information to physician ---

Section 5: Fire-Fighting Measures

5.1 Extinguishing media

| | |
|---|--|
| Suitable extinguishing media | Carbon dioxide, water spray jet , extinguishing powder , foam. |
| Extinguishing media which must not be used for safety reasons | Full water jet |

5.2 Special hazards arising from the substance or mixture

Possible combustion products Nitrogen oxides (NOx), carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Special protective equipment for firefighters Wear self-contained breathing apparatus.

Additional information IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Do not allow fire water to penetrate into surface or ground water. You have to dispose of contaminated extinguishing water according to the regulations of the authorities.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Do not breathe dust. Call a POISON CENTER/doctor/### if you feel unwell. Keep away from sources of ignition - No smoking. Avoid contact with skin, eyes, and clothing.

6.2 environmental precautions

Do not allow to enter into ground-water, surface water or drains. Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Take up spilled product with dustpan and brush. Avoid causing any dust. Industrial vacuum cleaner recommended to avoid causing dust. Clean soiled areas with a conventional household cleaner.

6.4 Reference to other sections

Personal protection equipment: see section 8, Disposal: see section 13



Section 7: Handling and Storage

7.1 Precautions for safe handling

Advices on safe handling Avoid contact with eyes and skin. When using do not eat, drink, smoke, sniff. Make sure there is sufficient air exchange and / or that working rooms are air suctioned. Avoid dust formation.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers Keep away from sources of ignition and heat. Store in a cool dry place. Store in a well-ventilated place. Keep container tightly closed. Protect against direct sunlight.

Storage class 11

7.3 Specific end use(s)

General use Coloration of hydrocarbons, waxes, oils and fats

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters

Paraffin waxes and Hydrocarbon waxes USA OSHA TWA (EC) 2,000 mg/m³

8.2 Exposure controls

Respiratory protection With correct and proper use, and under normal conditions, breathing protection is not required. Provide good ventilation and/or an exhaust system in the work area. Wear a dust mask, in case of excessive dust.

Hand protection Wear suitable gloves.- Keep only in original packaging. DIN-/EN-Norms EN 420, EN 388 and EN 374 Part 1,3

Eye protection Wear cold insulating gloves and either face shield or eye protection. Keep only in original packaging. EN 166.

Body protection Wear suitable protective clothing and shoes.

General protection and hygiene considerations Keep away from food and drinks. When using do not eat, drink or smoke. Wash hands before breaks and after work. Wash contaminated clothing prior to re-use.

Section 9: Physical and Chemical Properties

9.1 information on basic physical and chemical properties

Form solid

Colour yellow orange

Odour characteristic

Important health, safety and environmental information

Initial boiling point and boiling range > 130 °C

Melting point/freezing point > 60 °C

Flash point/flash point range > 150 °C

Ignition temperature > 200 °C

Solubility Product is difficult to dissolve in water.

Vapour pressure not determined

Density not determined

Viscosity ---

Explosion limits ---

Flow time 4mm (DIN) not determined



PH value ---
Partition coefficient: ---
n-octanol/water ---

9.2 Other information

Section 10: Stability and Reactivity

10.1 Reactivity Non-reactive
10.2 Chemical stability Product is stable under normal storage conditions.
10.3 Possibility of hazardous reactions ---
10.4 Conditions to avoid Avoid dust formation. Avoid dust deposits. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.
10.5 Incompatible materials strong acids and bases, strong oxidizing agents
10.6 Hazardous decomposition products Store in accordance with ###. In case of fire may be liberated: Nitrogen oxides (NO_x), carbon monoxide and carbon dioxide

Section 11: Toxicological Information

11.1 Information on toxicological effects

General remarks: No toxicological tests were conducted with the mixture.
Toxicological tests: components bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
Eye irritation: - irritant OECD 405
Rabbit
Skin sensitisation - not sensitizing OECD 406
guinea pig
Mutagenicity: - not a mutagen OECD 471 (Ames test)
Acute oral toxicity LD50> 2000.0 mg/kg
Rat
Acute dermal toxicity LD50> 2000.0 mg/kg
Rat
Acute inhalation toxicity LC50> 960.0 mg/m³
Rat

Section 12: Ecological Information

12.1 Toxicity

Aquatic toxicity ---
Ecotoxicological effects: components bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
acute Daphnia toxicity EC50= 17.0 mg/l OECD 202
Daphnia magna (Big water flea)
acute fish toxicity LC50= 13.0 mg/l OECD 203
Oncorhynchus mykiss
Bacteria toxicity IC50> 100.0 mg/l OECD 209
Refer to manufacturer/supplier for information on
algae toxicity EC50= 1.9 mg/l
Scenedesmus subspicatus

12.2 Persistence and degradability

Evaluation text ---
Degree of elimination ---



Analytical method ---

12.3 Bioaccumulative potential

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

Section 13: Disposal Conditions

13.1 Waste treatment methods

Product

Recommendation Dispose of waste according to applicable legislation. Discharge into the environment must be avoided.

Contaminated packaging

Recommendation Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

Section 14: Transport Information

14.1 UN number

ADR, IATA, IMDG ---

14.2 UN proper shipping name

Product designation ---

Proper shipping name ---

Proper shipping name ---

14.3 Transport hazard class(es)

Class ---

Code ---

Class ---

Subrisk ---

Class ---

Subrisk ---

14.4 Packing group

ADR, IATA, IMDG No packaging for dangerous goods required

14.5 Environmental hazards

Marine Pollutant ---

IMDG ---

EmS ---

Stowage and segregation ---

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Additional information

EQ ---



| | |
|--------------------|-----|
| Limited quantities | --- |
| Special provisions | --- |
| Tunnel restriction | --- |
| Transport category | --- |
| Kemmler-number | --- |

No dangerous good in sense of these transport regulations.

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Germany

Storage class 11

Water Hazard Class 2

Information on working limitations No special measures are required.

USA

Federal Regulations

Toxic Substance Control Act (TSCA): All ingredients of this mixture are listed on the TSCA inventory. United States Environmental Protection Agency Superfund Amendments and Reauthorization Act (US SARA): This mixture does not contain any substance listed on SARA Title III section 302, 304, 311, 312 and 313.

State Regulations

California Proposition 65: This mixture does not contain any contaminants or bi-products known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.

Canada

15.2 Chemical Safety Assessment

Chemical Safety Assessment

No substance safety evaluation was conducted with the mixture/ substance.

Section 16: Other Information

Hazard statements (CLP)

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Abbreviations

--- no data, not determined or not applicable

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (Verordnung (EG) Nr. 1907/2006)

OECD Organisation for Economic Co-operation and Development

LD50 Median lethal dose

LC50 Median lethal concentration

EC50 Median effective dose

IC50 Median inhibitory concentration

VCI Verband der chemischen Industrie

CAS Chemical Abstract Service

EINECS European Inventory of Existing Commercial Chemical Substances



| | |
|--------|--|
| ELINCS | European List of Notified Chemical Substances |
| NLP | No Longer Polymers |
| CLP | Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging |
| EG | Europäische Gemeinschaft |
| WGK | Wassergefährdungsklasse (nach AwSV, Anlage 1 (5.2)) |
| AGW | Arbeitsplatzgrenzwert |
| ADR | Accord Européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road) |
| RID | Règlement concernant le transport international ferroviaire des marchandises dangereuses (International Rule for Transport of Dangerous Substances by Railway) |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| MARPOL | International Convention for the Prevention of Pollution From Ships (MARine POLLution) |
| EmS | Emergency Schedules |

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