

MAPLE BROWN

Version Number 1.3 Revision Date 01/19/2023

Page 1 of 15 Print Date 01/24/2023

SAFETY DATA SHEET

MAPLE BROWN

Section 1. Identification

MAPLE BROWN **GHS** product identifier

Chemical name Mixture CAS number Mixture Other means of identification CC01054042 **Product type** liquid

Relevant identified uses of the substance or mixture and uses advised against

Product use Industrial applications. Plastics.

Supplier's details AVIENT CORPORATION

ColorMatrix Group Inc.

680 North Rocky River Drive, Berea, Ohio, 44017-1628, USA

+1 216 622 0100

Emergency telephone number

(with hours of operation)

CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or

accident).

Section 2. Hazards identification

This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or

Not classified.

mixture

GHS label elements



MAPLE BROWN

Version Number 1.3 Page 2 of 15 Revision Date 01/19/2023 Print Date 01/24/2023

Signal word : No signal word.

Hazard statements: No known significant effects or critical hazards.

Precautionary statements

Prevention
Response
Storage
Disposal
Supplemental label elements
Hazards not otherwise classified

Not applicable.
Not applicable.
Not applicable.
Not applicable.
Not applicable.
None known.

Not available.

Section 3. Composition/information on ingredients

Substance/mixture: MixtureChemical name: MixtureOther means of identification: CC01054042

CAS number/other identifiers

| Ingredient name | % | CAS number |
|------------------|--------------|------------|
| Titanium dioxide | >= 5 - <= 10 | 13463-67-7 |
| | | |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

| Eye contact | : Immediately flush eyes with plenty of water, occasionally lifting the | | |
|---|---|--|--|
| | upper and lower eyelids. Check for and remove any contact lenses. | | |
| | Get medical attention if irritation occurs. | | |
| Inhalation | : Remove victim to fresh air and keep at rest in a position comfortable | | |
| | for breathing. Get medical attention if symptoms occur. In case of | | |
| inhalation of decomposition products in a fire, symptoms may be | | | |
| | delayed. The exposed person may need to be kept under medical | | |
| | 2/15 | | |



MAPLE BROWN

Version Number 1.3 Page 3 of 15 Revision Date 01/19/2023 Print Date 01/24/2023

surveillance for 48 hours.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated

clothing and shoes. Get medical attention if symptoms occur.

Ingestion: Wash out mouth with water. Remove victim to fresh air and keep at

rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact: No known significant effects or critical hazards.Inhalation: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.Ingestion: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact: No specific data.Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

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

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms

may be delayed. The exposed person may need to be kept under

medical surveillance for 48 hours.

Specific treatments : No specific treatment.

Protection of first-aiders: No action shall be taken involving any personal risk or without

suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : In case of fire, use water spray (fog), foam, dry chemical or CO₂.

Unsuitable extinguishing media : None known.

Specific hazards arising from the : In a fire or if heated, a pressure increase will occur and the container



MAPLE BROWN

Version Number 1.3 Revision Date 01/19/2023

Page 4 of 15 Print Date 01/24/2023

chemical

Hazardous thermal decomposition products may burst.

Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides

Special protective actions for fire-

fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any

personal risk or without suitable training.

Special protective equipment for

fire-fighters

Fire-fighters should wear appropriate protective equipment and selfcontained breathing apparatus (SCBA) with a full face-piece operated

in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel No action shall be taken involving any personal risk or without

> suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Avoid dispersal of spilled material and runoff and contact with soil, **Environmental precautions**

> waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil

Methods and materials for containment and cleaning up

Small spill Stop leak if without risk. Move containers from spill area. Dilute with

> water and mop up if water-soluble. Alternatively, or if waterinsoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal

contractor.

Stop leak if without risk. Move containers from spill area. Prevent Large spill

> entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13).

Dispose of via a licensed waste disposal contractor. Note: see Section

1 for emergency contact information and Section 13 for waste

4/15



MAPLE BROWN

Version Number 1.3 Revision Date 01/19/2023 Page 5 of 15 Print Date 01/24/2023

disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures Advice on general occupational hygiene

- : Put on appropriate personal protective equipment (see Section 8).
 - Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

| Ingredient name | Exposure limits | |
|------------------|--|--|
| Titanium dioxide | OSHA PEL 1989 (1989-03-01) TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust ACGIH TLV (1996-05-18) TWA 10 mg/m3 | |

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

5/15



MAPLE BROWN

Version Number 1.3 Revision Date 01/19/2023 Page 6 of 15 Print Date 01/24/2023

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical

products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety

showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used

when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a

higher degree of protection: safety glasses with side-shields.

Skin protection

Hand 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.

Body protection: Personal protective equipment for the body should be selected based

on the task being performed and the risks involved and should be

approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures

should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this

product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that

meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper

fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

liquid [liquid] Physical state Color **BROWN** Odor Faint odor. Not available. **Odor threshold** Not available. Hq **Melting point** Not available. **Boiling point** Not available. Flash point Not available. **Burning time** Not available. Not available. **Burning rate**



MAPLE BROWN

Version Number 1.3 Page 7 of 15 Print Date 01/24/2023 Revision Date 01/19/2023

Evaporation rate Not available. Not available. Flammability (solid, gas)

Lower and upper explosive Lower: Not available. (flammable) limits Upper: Not available.

Vapor pressure Not available. Vapor density Not available. Relative density Not available. **Solubility** Not available. Solubility in water insoluble in water.

Partition coefficient: n-

octanol/water

Not available.

Auto-ignition temperature Not available. **Decomposition temperature** Not available. **SADT** Not available.

Viscosity **Dynamic:** Not available.

Kinematic: Not available.

Aerosol product

Heat of combustion Not available.

Not available. **Ignition distance Enclosed space ignition - Time** Not available.

equivalent

Enclosed space ignition -Not available.

Deflagration density

Not available. Flame height Flame duration Not available.

Section 10. Stability and reactivity

No specific test data related to reactivity available for this product or Reactivity

its ingredients.

Chemical stability Stable under recommended storage and handling conditions (see

Section 7).

Under normal conditions of storage and use, hazardous reactions will Possibility of hazardous reactions

Keep away from extreme heat and oxidizing agents. Conditions to avoid

Incompatible materials Keep away from strong acids.

Oxidizer.

Under normal conditions of storage and use, hazardous decomposition **Hazardous decomposition** products

products should not be produced.

Section 11. Toxicological information



MAPLE BROWN

Version Number 1.3 Page 8 of 15 Revision Date 01/19/2023 Print Date 01/24/2023

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|-----------------|------------|---------------|----------|
| Titanium oxide (TiO2) | | | | |
| | LC50 Inhalation | Rat - Male | 6.82 Mg/l | 4 h |
| | Dusts and mists | | | |
| | LD50 Dermal | Rabbit | > 5,000 mg/kg | - |

Conclusion/Summary : Mixture.Not fully tested.

Irritation/Corrosion

Conclusion/Summary

Skin: Mixture.Not fully tested.Eyes: Mixture.Not fully tested.Respiratory: Mixture.Not fully tested.

Sensitization

Conclusion/Summary

SkinMixture.Not fully tested.RespiratoryMixture.Not fully tested.

Mutagenicity

Conclusion/Summary : Mixture.Not fully tested.

Carcinogenicity

Conclusion/Summary : Mixture.Not fully tested.

Classification

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| Titanium oxide (TiO2) | - | 2B | - |

Reproductive toxicity

Conclusion/Summary : Mixture. Not fully tested.

Teratogenicity

Conclusion/Summary: Mixture.Not fully tested.

Specific target organ toxicity (single exposure)



MAPLE BROWN

 Version Number 1.3
 Page 9 of 15

 Revision Date 01/19/2023
 Print Date 01/24/2023

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of

exposure

Not available.

Potential acute health effects

Eye contact: No known significant effects or critical hazards.Inhalation: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.Ingestion: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: No specific data.Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Conclusion/Summary : Mixture.Not fully tested.

General:No known significant effects or critical hazards.Carcinogenicity:No known significant effects or critical hazards.Mutagenicity:No known significant effects or critical hazards.Teratogenicity:No known significant effects or critical hazards.Developmental effects:No known significant effects or critical hazards.Fertility effects:No known significant effects or critical hazards.



MAPLE BROWN

Version Number 1.3 Revision Date 01/19/2023 Page 10 of 15 Print Date 01/24/2023

Numerical measures of toxicity

Acute toxicity estimates

| Product/ingredient name | Oral | Dermal | Inhalation (gases) | Inhalation (vapors) | Inhalation (dusts and mists) |
|-------------------------|--------------|--------|-----------------------|------------------------|------------------------------------|
| MAPLE BROWN | 23,440 mg/kg | N/A | N/A | N/A | N/A |
| Titanium oxide (TiO2) | N/A | N/A | N/A | N/A | 6.82 Mg/l |

Other information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Section 12. Ecological information

Toxicity

| Product/ingredient name Result | | Species | Exposure |
|--------------------------------|-------------------------------|------------------------------|----------|
| Titanium oxide (TiO2) | | | |
| | Acute LC50 > 1,000 Mg/l | Fish - Fundulus heteroclitus | 96 h |
| Marine water | | | |
| | Acute LC50 3 Mg/l Fresh water | Crustaceans - Ceriodaphnia | 48 h |
| | | dubia | |
| | Acute LC50 6.5 Mg/l Fresh | Daphnia - Daphnia pulex | 48 h |
| | water | | |

Conclusion/Summary : Not available.

Persistence and degradability

Conclusion/Summary : Not available.

Bioaccumulative potential

Not available.

Mobility in soil



MAPLE BROWN

 Version Number 1.3
 Page 11 of 15

 Revision Date 01/19/2023
 Print Date 01/24/2023

Soil/water partition coefficient

(KOC)

Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

Section 14. Transport information

U.S.DOT 49CFR Ground/Air/Water : Not regulated for transportation.

International Air ICAO/IATA

: Not classified as dangerous goods under transport regulations.

International Water

IMO/IMDG

: Not classified as dangerous goods under transport regulations.

Section 15. Regulatory information

U.S. Federal regulations : United States - TSCA 12(b) - Chemical export notification: None

of the components are listed.

United States - TSCA 4(a) - Final Test Rules: Not listed United States - TSCA 4(a) - ITC Priority list: Not listed



MAPLE BROWN

Version Number 1.3 Revision Date 01/19/2023

Page 12 of 15 Print Date 01/24/2023

United States - TSCA 4(a) - Proposed test rules: Not listed United States - TSCA 4(f) - Priority risk review: Not listed United States - TSCA 5(a)2 - Final significant new use rules: Not listed

United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed

United States - TSCA 5(e) - Substances consent order: Not listed United States - TSCA 6 - Final risk management: Not listed United States - TSCA 6 - Proposed risk management: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined

United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed

United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed

United States - TSCA 8(d) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Zinc ferrite brown spinel (C.I. Pigment **Yellow 119**)

United States - EPA Clean water act (CWA) section 311 -

Hazardous substances: Not listed

United States - EPA Clean air act (CAA) section 112 - Accidental

release prevention - Flammable substances: Not listed

United States - EPA Clean air act (CAA) section 112 - Accidental

release prevention - Toxic substances: Not listed

United States - Department of commerce - Precursor chemical:

Not listed

Clean Air Act Section 112(b)

Hazardous Air Pollutants (HAPs)

Clean Air Act Section 602 Class I

Substances

Clean Air Act Section 602 Class II

Substances

DEA List I Chemicals (Precursor

Chemicals)

DEA List II Chemicals (Essential

Chemicals)

Not listed

Not listed

Not listed

Not listed

Not listed

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312



MAPLE BROWN

Version Number 1.3 Revision Date 01/19/2023 Page 13 of 15 Print Date 01/24/2023

Classification : Not applicable.

Composition/information on ingredients

No products were found.

| Name | % | Classification |
|-----------------------|--------------|------------------------------|
| Titanium oxide (TiO2) | >= 5 - <= 10 | CARCINOGENICITY - Category 2 |

Form R - Reporting requirements

| Product name | CAS number | % |
|---|------------|-------------|
| Zinc ferrite brown spinel (C.I. Pigment Yellow 119) | 68187-51-9 | >= 1 - <= 3 |
| | | |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Not applicable.

State regulations

MassachusettsNone of the components are listed.New YorkNone of the components are listed.New JerseyThe following components are listed:

Iron oxide

White mineral oil (petroleum)

Titanium dioxide

Zinc ferrite brown spinel (C.I. Pigment Yellow 119)

Pennsylvania : The following components are listed:

Iron oxide

Titanium dioxide

Zinc ferrite brown spinel (C.I. Pigment Yellow 119)

California Prop. 65

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

| Ingredient name | No significant risk level | Maximum acceptable dosage level |
|------------------|---------------------------|---------------------------------|
| Titanium dioxide | - | - |



MAPLE BROWN

Version Number 1.3 Page 14 of 15 Revision Date 01/19/2023 Print Date 01/24/2023

United States inventory (TSCA 8b) : All components are active or exempted.

Canada inventory : All components are listed or exempted.

International regulations

Inventory list

All components are listed or exempted. Australia All components are listed or exempted. Canada China All components are listed or exempted. All components are listed or exempted. **Europe inventory** All components are listed or exempted. Japan All components are listed or exempted. **New Zealand Philippines** All components are listed or exempted. Republic of Korea All components are listed or exempted. All components are listed or exempted. **Taiwan Turkey** All components are listed or exempted. **United States** All components are active or exempted.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

| Health | / | 0 |
|------------------|---|---|
| Flammability | | 0 |
| Physical hazards | | 0 |
| | | |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

History

Date of printing: 01/24/2023Date of issue/Date of revision: 01/19/2023Date of previous issue: 08/05/2019

Version : 1.3

Key to abbreviations: ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of

Chemicals



MAPLE BROWN

Version Number 1.3 Revision Date 01/19/2023 Page 15 of 15 Print Date 01/24/2023

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine

pollution)

UN = United Nations

References : Not available.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.