

## SAFETY DATA SHEET

**Originally Prepared:** 12 May 2008

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**Revision:** 03 Jan 2023, this version supersedes all previous.

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

##### **Caramel Colour WS Liquid**

Contained Active Components:

CAS No: 8028-89-5

EC No: 232-435-9

E NUMBER: E150

Exempt from Registration according to Article 2 of REACH, Regulation (EC) No. 1907/2006 when used in food.

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

Identified uses: colour where permitted.

Uses advised against and reasons why: No available information

#### 1.3 Details of the supplier of the safety data sheet

D.D. Williamson Colors, LLC, 815 Sunset Road, Port Washington, WI, 53074 United States 1-262-268-7272

D.D. Williamson & Co., LLC, 1901 Payne Street, Louisville, KY, 40206 United States 1-800-CARMEL

D.D. Williamson (Ireland) Ltd., Little Island Business Park, Co. Cork, Ireland T45 RR80 353 21 4353821

D.D. Williamson (UK) Ltd., Trafford Park Road, Manchester M17 1PA, United Kingdom 44 161 886 3345

SuperiorPowders, Ltd., Factory Lane, Bason Bridge, Highbridge, TA9 4RN, United Kingdom 44 (0) 1278 784521

D.D. Williamson Ingredients (Shanghai) Ltd., 3823 Jiang Cheng Road, Minhang, Shanghai 200245, P.R. China

D.D. Williamson (Pty) Ltd., Smithco Industrial Park #19, King Mswati III Ave., Plot 471, Matsapha M202, Eswatini

D.D. Williamson do Brasil Ltda., Ave. Buriti 5680, Distrito Industrial, 69075-000 Manaus AM, Brasil 55-92-3301-4000

DDW Colours UK Ltd., Third Avenue, Centrum 100, Burton upon Trent, DE14 2WD, United Kingdom 44 (0) 1283 202000

DDW Colours Sdn Bhd., PLO 221 Jln Bakau 6, Tg Langsat Ind Complex, 81700 Pasir Gudang, Johor, Malaysia 6072 575757

SDS inquires can be submitted to [ddw.quality@ddwcolor.com](mailto:ddw.quality@ddwcolor.com)

#### 1.4 Emergency telephone number

**United States** 1-800-CARMEL (only during office hours)

**Ireland** 353 21 4353821 (only during office hours)

**United Kingdom** 44 161 886 3345 (only during office hours)

**P.R. China** 86-21-5-4720868 (only during office hours)

**Eswatini** 268-2518-4869 (only during office hours)

**Brasil** 55-92-3301-4000 (only during office hours)

**Malaysia** 6072 575757 (only during office hours)

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification of the substance or mixture: Based on the available data, the classification criteria are not met.

#### 2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

**Hazard pictograms:** Not Applicable

**Signal Word:** Not Applicable

**Hazard statements:**

Not Applicable

**Precautionary statements:**

Not Applicable

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either PBT or vPvB at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

### **3.1 Substances**

Caramel Colour WS Liquid

CAS No: 8028-89-5

EC No: 232-435-9

This material is not considered hazardous.

### **3.2 Mixtures**

Not applicable

## **SECTION 4. FIRST AID MEASURES**

### **4.1 Description of first aid measures**

#### **General Advice**

Use personal protective equipment as required. An eyewash and safety shower should be readily available. In the case of sudden unwellness seek medical advice.

#### **Inhalation**

Move patient to place with fresh air. Ventilate. If respiratory symptoms occur seek medical attention.

#### **Skin Contact**

Product may temporarily stain skin. Wash with soap and water. If irritation occurs seek medical attention.

#### **Eye Contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### **Ingestion**

Rinse mouth with water and drink plenty of water to dilute substance. Do not induce vomiting. Obtain medical advice if irritation occurs.

#### **First Aid Responder**

Personal protection equipment is recommended. (See Section 8)

### **4.2 Most important symptoms and effects, both acute and delayed**

Symptoms and effects: No significant symptoms are expected to occur due to the non-classification of the product.

### **4.3 Indication of any immediate medical attention and special treatment needed**

Treatment: Treat symptomatically.

## **SECTION 5. FIREFIGHTING MEASURES**

### **5.1 Extinguishing media**

Suitable extinguishing media: CO<sub>2</sub>, Dry Chemicals, Foam, Water

Unsuitable extinguishing media: Avoid high pressure media which could cause the formation of a potentially explosive dust-air mixture.

### **5.2 Special hazards arising from the substance or mixture**

Heat may generate irritating vapours.

### **5.3 Advice for firefighters**

Wear suitable breathing apparatus, flame and chemical resistant clothing, boots and gloves.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment. Avoid generating dust/vapours.

### **6.2 Environmental precautions**

Avoid any spillage from entering waterways, drains or sewage systems.

### **6.3 Methods and material for containment and cleaning up**

For small spills: clean up using appropriate appliances. Standard absorbents can be used. For large spills: collect into closed containers for disposal. Dispose of in accordance with regulations.

### **6.4 Reference to other sections**

Information on exposure controls/personal protection and disposal considerations can be found in Section 8 and 13.

## **SECTION 7. HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practices. Protect against fire and explosion by avoiding sources of ignition. Where aerosols are created use suitable dust mask or breathing apparatus. Maintain good ventilation. Do not eat, drink or smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas.

### **7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly sealed and dry. Stainless steel or polyethylene containers are preferred. Protect against moisture, ignition sources and incompatible materials. Elevated storage temperatures accelerates product degradation. Incompatible with strong oxidising agents. Avoid extended storage by using as soon as possible within designated shelf life.

### **7.3 Specific end use(s)**

For use as a colour where permitted. It is the user's responsibility to ensure that the conditions and possible uses of the product conform to local laws and regulations.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 Control parameters**

Product is not classified as hazardous.

Control Parameters

Not Applicable

### **8.2 Exposure controls**

Appropriate engineering controls: Keep airborne concentration of product low by enclosing production processes whenever possible. An eyewash and safety shower should be readily available.

Eye/face protection: Wear protective glasses, goggles or face shield.

Hand protection: Wear protective gloves during manufacturing and handling of this product.

Body/skin protection: Special clothing is not normally necessary when manufacturing or handling this product within a closed system. Wear chemical resistant full body coveralls whenever there is a possibility of splash or appreciable contact during manufacturing or handling.

Respiratory protection: Work in well ventilated area. In case of insufficient ventilation, wear suitable breathing apparatus.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties**

Appearance: Brown liquid

Odour: Characteristic

Odour Threshold: Not established

pH: 2 – 11

Melting Point: Not established

Boiling Point: >99°C (210°F)

Flash Point: >99°C (210°F)

Evaporation Rate: Not established

Flammability: Not established

Upper/Lower Flammability: Not established

Vapour Pressure: Not established

Vapour Density: Not established

Relative Density: 1.0 – 1.5

Solubility: Water

Partition Coefficient: Not established

Auto-Ignition Temperature: Not established

Decomposition Temperature: Not established

Viscosity: Not established

Explosive Properties: Not established

Oxidising Properties: Not established

### **9.2 Other information**

No data available

## **SECTION 10. STABILITY AND REACTIVITY**

### **10.1 Reactivity**

No hazardous reactions occur under normal conditions of use and storage as indicated.

### **10.2 Chemical stability**

Product has a tendency to continue the polymerization process forming a gel. This product is stable under normal storage conditions. Avoid extended storage by using as soon as possible within designated shelf life.

### **10.3 Possibility of hazardous reactions**

No hazardous reactions occur under normal conditions of use and storage as indicated.

### **10.4 Conditions to avoid**

May degrade in light. Avoid extended storage by using as soon as possible within designated shelf life.

### **10.5 Incompatible materials**

Avoid strong acids, bases, and oxidising agents.

### **10.6 Hazardous decomposition products**

No known hazardous materials produced upon decomposition when used as directed.



## **SECTION 11. TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

#### **Acute toxicity:**

Based on the data available the classification criteria are not met.

#### **Skin corrosion/irritation:**

Data lacking.

#### **Serious eye damage/irritation:**

Data lacking.

#### **Respiratory or skin sensitisation:**

Data lacking.

#### **Germ cell mutagenicity:**

Data lacking.

#### **Carcinogenicity:**

Data lacking.

Substance(s) listed on IARC Monograph: Not applicable.

Substance(s) listed as OSHA Carcinogen(s): Not applicable.

Substance(s) listed as NIOSH Carcinogen(s): Not applicable.

Substance(s) listed on the NTP Report on Carcinogens (ROC): Not applicable.

#### **Reproductive toxicity:**

Data lacking.

#### **STOT-single exposure:**

Data lacking.

#### **STOT-repeated exposure:**

Data lacking.

#### **Aspiration hazard:**

Data lacking.

### **11.2 Information on other hazards**

#### **Endocrine disrupting properties:**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## **SECTION 12. ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

May lead to a local change in the pH of an aquatic environment which may have adverse effects on aquatic organisms.

### **12.2 Persistence and degradability**

No specific data available.

### **12.3 Bioaccumulative potential**

No specific data available.

### **12.4 Mobility in soil**

The product is water soluble and may spread in water systems.

### **12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either PBT or vPvB at levels of 0.1% or higher.

### **12.6 Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **12.7 Other adverse effects**

Product may contribute to biological oxygen demand (BOD) and chemical oxygen demand (COD).

## **SECTION 13. DISPOSAL CONSIDERATIONS**

### **13.1 Waste treatment methods**

Dispose of this product in accordance with International, National, Federal, State, and local regulations. Avoid spillage from entering waterways, drains or sewage as product may contribute to biological oxygen demand (BOD) and chemical oxygen demand (COD).

## **SECTION 14. TRANSPORT INFORMATION**

### **14.1 UN number**



ADR UN number: Not classified as a dangerous good under transport regulations.  
RID UN number: Not classified as a dangerous good under transport regulations.  
ADN UN number: Not classified as a dangerous good under transport regulations.  
IMDG UN number: Not classified as a dangerous good under transport regulations.  
IATA/ICAO UN number: Not classified as a dangerous good under transport regulations.

**14.2 UN proper shipping name**

Not applicable

**14.3 Transport hazard class(es)**

Not classified as a dangerous good

**14.4 Packing group**

Not classified as a dangerous good

**14.5 Environmental hazards**

Not classified as a dangerous good

**14.6 Special precautions for user**

Not classified as a dangerous good

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

There are no special transportation requirements for this product. This product is not classified as hazardous under the US Department of Transportation (DOT) regulations. Further, in that the DOT regulations follow the recommendations on the Transport of Dangerous Goods by the United Nations Committee of Experts, determination that this product is not dangerous also applies to international shipments under those regulations and tariffs which follow the UN recommendations, eg. IMDG (ocean transport) and IATA (air transport).

**SECTION 15. REGULATORY INFORMATION**

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

This product is classified according to Regulation (EC) No. 1272/2008 (as amended) and Regulation (EC) No. 1907/2006 (as amended).

REACH - Candidate List of Substances of Very High Concern of Authorisation (Article 59) : Neither banned nor restricted.

Canada:Domestic Substances List (DSL): The components of this product are listed on the DSL list or are exempt.

Information for other International Inventories available upon request.

Classification According to GHS: Based on the available data, the classification criteria are not met.

Classification According to OSHA Hazard Communication Standard; 29 CFR Part 1910.1200: Based on the available data, the classification criteria are not met.

**15.2 Chemical safety assessment**

No chemical safety assessment has been carried out for this substance/mixture by the manufacturer.

**SECTION 16. OTHER INFORMATION**

Versions of this document dated previous to the revision date on this document are no longer valid. The above information was prepared based on our present-day knowledge from current and reputable sources, however the data provided herein without any warranty, expressed or implied, regarding its correctness or accuracy. The information contained in this safety data sheet does not constitute an assessment of workplace risks. It is the users' responsibility to ensure safe conditions for handling, storage and disposal of this product and to assume liability for loss, injury, damage, or expense resulting from improper use of this product. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user. The information herein is intended to provide a general guidance for the health and safety of the handling, storage, and use of the product.

The following sections have been amended from the previous version(s): Update to Format



Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS No: Chemical Abstract Service Number (division of the American Chemical Society)  
CLP: Classification, Labelling, Packaging  
CO<sub>2</sub>: Carbon Dioxide  
DNEL: Derived No Effect Level  
EC: European Commission  
EC No: The EINECS, ELINCS or NLP, is the official number of the substance within the European Union.  
EINECS: European Inventory of Existing Commercial Chemical Substances  
EU: European Union  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association  
IBC Code: International Bulk Chemical Code  
ICAO: International Civil Aviation Organization  
IMDG: International Maritime Code for Dangerous Goods  
NIOSH: National Institute for Occupational Safety and Health  
NTP: National toxicology program  
OSHA: Occupational Safety and Health Administration  
PNEC: Predicted No Effect Concentration  
PBT: Persistent, Bioaccumulative and Toxic  
P.R. China: People's Republic of China  
REACH: Registration, Evaluation, Authorisation, and restriction of Chemicals  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STEL: Short Term Exposure limit  
STOT: Specific Target Organ Toxicity  
TLV: Threshold Limiting Value  
TWA: 8-hour Time Weighted Average given for that substance in any 8-hour work shift of a 40-hour work week.  
vPvB: very Persistent and very Bioaccumulative

Training advice: The product should only be handled by trained operators.

**SAFETY DATA SHEET PREPARED BY  
DDW The Color House, Jan 2023  
IN CONFORMITY WITH (EC) 1907/2006 (REACH) AS AMENDED AND, (EC) 1272/2008 (CLP) REGULATIONS  
AS WELL AS 29 CFR 1910.1200 OSHA STANDARDS.**