

Issue Date 06-Jul-2016

Revision Date 15-Jun-2017

Version 6

1. IDENTIFICATION

Product identifier

Product Name HallBrite® EZ-FLO TDX PLUS

Other means of identification

Product Code S091

Recommended use of the chemical and restrictions on use

Recommended Use Personal Care Ingredient.

Uses advised against Industrial Use

Details of the supplier of the safety data sheet

Supplier Address **Manufacturer Address**

The Hallstar Company 120 S. Riverside Plaza, Suite 1620 Chicago, IL 60606 USA

Emergency telephone number

Company Phone Number (708) 594-5999

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label elements

Emergency Overview

Appearance liquid

Physical state liquid Dispersion

Odor low odor

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixture

This product is a mixture.

Chemical Name	CAS No.	Weight-%	Trade Secret
Butyloctyl Salicylate	190085-41-7	27-31	*
Titanium Dioxide	13463-67-7	23-27	*
Ethylhexyl Methoxycrylene	947753-66-4	15-20	*

C12-C15 Alkyl Benzoate	68411-27-8	10-30	*
Dimethicone Crosspolymer, Silica	-	6-8	*
Triceteareth-4 Phosphate	-	<3	*

Chemical Additions

This product is intended for uses that are regulated by the Food and Drugs Administration in the United States of America. It contains ingredients that are not listed on the TSCA inventory and therefore, must only be used in FDA regulated applications.

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water.
Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide (CO₂). Water spray (fog). Dry chemical.

Specific hazards arising from the chemical

No information available.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep at temperatures between 0 and 38 °C. Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Incompatible materials Bulk TiO₂ reacts violently with lithium at 200 deg C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This mixture contains one component that has exposure limits. Care should be taken to ensure employee exposure is below limits and/or to protect the worker.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Titanium Dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

- Eye/face protection** Wear safety glasses with side shields (or goggles).
- Skin and body protection** Wear protective gloves and protective clothing.
- Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid Dispersion	Odor	low odor
Appearance	liquid	Odor threshold	No information available
Color	light yellow off-white		
Property	Values	Remarks • Method	
pH	No information available		
Melting point / freezing point	No information available		
Boiling point / boiling range	> 260 °C		
Flash point	not flammable		
Evaporation rate	> 1	water = 1	
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure	> 17.5		
Vapor density	N/A		
Relative density	1.1-1.3 based on solids in dispersions		
Water solubility	negligible		
Solubility in other solvents	No information available		
Partition coefficient	No information available		

Other Information

VOC Content (%) No information available
Density No information available
Bulk density No information available
Volatility No information available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Bulk TiO₂ reacts violently with lithium at 200 deg C.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	No data available
Inhalation	No data available.
Eye contact	No data available.
Skin contact	No data available.
Ingestion	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium Dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	Titanium dioxide has been classified as Group 2B carcinogen by IARC. IARC studies concluded that the form of Titanium Dioxide that appears to be a cancer causing agent is the powdered dust. This product contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP or EPA classification due to publicly available toxicity studies and the position adopted under EU REACH for Titanium Dioxide safety dossier submitted with registration in Europe.
Reproductive toxicity	No information available. mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

ICAO (air) Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

This product is NOT listed on the TSCA inventory of the United States. It is intended only for use in cosmetic applications that are regulated by the Food and Drug Administration.

International Inventories

TSCA
DSL/NDSL
EINECS/ELINCS
ENCS
IECSC
KECL
PICCS
AICS

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)**CERCLA****US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals Titanium dioxide (airborne, unbound particles of respirable size)

U.S. State Right-to-Know Regulations**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

Health hazards -	Flammability -	Instability -	Health hazards -	Flammability -
Physical hazards -	Personal protection -			

Prepared By	AAC
Issue Date	06-Jul-2016
Revision Date	15-Jun-2017

Revision Note

No information available

Disclaimer

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.

End of Safety Data Sheet