



SAFETY DATA SHEET

Issue Date 03-Apr-2017

Revision Date 26-Sep-2018

Version 2

1. IDENTIFICATION

Product identifier

Product Name HALLBRITE® EZ-FLO ZDX PLUS

Other means of identification

Product Code 5991
UN/ID No. UN 3082

Recommended use of the chemical and restrictions on use

Recommended Use Personal Care Ingredient.

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 white viscous liquid **Physical state** liquid **Odor** slight odor

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No	Weight-%	Trade Secret
Zinc Oxide	1314-13-2	51-63	*
Butyloctyl Salicylate	190085-41-7	24-30	*
Ethylhexyl Methoxycrylene	947753-66-4	10-12	*
Triceteareth-4 Phosphate	119415-05-3	3-5	*
Triethoxycaprylylsiloxane	2943-75-1	1-2	*

If CAS number is "proprietary", the specific chemical identity and percentage 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 with soap and water. If skin irritation persists, call a physician.
Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.
Symptoms	Contact with skin and eyes is not expected to cause irritation. Substance may be harmful if swallowed. May irritate mouth, throat and stomach.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

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

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. Wash thoroughly after handling.

Environmental precautions

Environmental precautions Do not allow into any sewer, on the ground or into any body of water.

Methods and material for containment and cleaning up

Methods for containment Dike far ahead of liquid spill for later disposal. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

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 container tightly closed in a dry and well-ventilated place. Keep from freezing. Keep product between 20 deg C and 5 deg C.

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**Exposure Guidelines** See below for exposure guidelines.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Zinc Oxide 1314-13-2	STEL: 10 mg/m ³ respirable particulate matter TWA: 2 mg/m ³ respirable particulate matter	TWA: 5 mg/m ³ fume TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 5 mg/m ³ fume (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction (vacated) STEL: 10 mg/m ³ fume	IDLH: 500 mg/m ³ Ceiling: 15 mg/m ³ dust TWA: 5 mg/m ³ dust and fume STEL: 10 mg/m ³ fume

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	Odor	slight odor
Appearance	white viscous liquid	Odor threshold	No information available
Color	white off-white		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting point / freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	> 100 °C	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	1.6-2.2	
Water solubility	Insoluble in water	
Solubility in other solvents	insoluble	
Partition coefficient	No information available	

Other Information

VOC Content (%)	No information available
Density	No information available
Bulk density	No information available
Volatility	40%

10. STABILITY AND REACTIVITY

Reactivity

Not applicable No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Strong oxidizing agents.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	No data available
Inhalation	No data available.
Eye contact	Not a primary eye irritant. Minimally irritating.
Skin contact	Not a primary dermal irritant. Potential for moderate irritation when applied at 100% under occlusive wrap conditions. PII=2.12.
Ingestion	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Zinc Oxide 1314-13-2	> 5000 mg/kg (Rat)	-	-
Butyloctyl Salicylate 190085-41-7	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Triethoxycaprylylsiloxane 2943-75-1	= 10060 µL/kg (Rat)	= 5910 µL/kg (Rabbit)	-

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	No information available.
Reproductive toxicity	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life

Persistence and degradability

Not readily biodegradable.

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.

Chemical Name	California Hazardous Waste Status
Zinc Oxide 1314-13-2	Toxic

14. TRANSPORT INFORMATION

DOT Regulated
UN/ID No. UN 3082
Proper shipping name Environmentally hazardous substances, liquid, N.O.S. (zinc oxide)
Hazard Class 9
Packing Group III

ICAO (air) Regulated
UN/ID No. UN 3082
Proper shipping name Environmentally hazardous substances, liquid, N.O.S. (zinc oxide)
Hazard Class 9
Packing Group III

IMDG Regulated

UN/ID No. UN 3082
Proper shipping name Environmentally hazardous substances, liquid, N.O.S. (zinc oxide)
Hazard Class 9
Packing Group III
Special Provisions unknown

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

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

Chemical Name	SARA 313 - Threshold Values %
Zinc Oxide - 1314-13-2	1.0

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 does not contain any Proposition 65 chemicals

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

Issue Date 03-Apr-2017

Revision Date 26-Sep-2018

Revision Note

UN Number correction

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