



SAFETY DATA SHEET

1. Identification

Product identifier	Zepbound
Other means of identification	
SDS number	6758
Item Code	VL1152, VL1243, VL2214, VL2340, VL2423, VL3002, HP3411, HP3422, HP3433, HP3444, HP3455, HP3466, VL3466, VL3455, VL3444, VL3433, VL3422, VL3411, 704040, 703978, 703977, 703976, 703975, 703931, 703974, 703930, 703931, PS1462, PS3325, PS3516, PS3681, PS3837, PS4170, PS4043, 703550, 703551, 703552, 703553, 703554, 703555, 703561, 703562, 703563, 703570, 703571, 703572, PS1457, PS1460, PS1471, PS1484, PS1495, PS1506, 702212, 702211, 702210, 702186, 702187, 702188, 702220, 702216, 702215, 702214, 702213, 702200, 702197, 702196, 702195, 702194, 702193, 702192, 701410, 701626, 701053, 701622, 701052, 701624, 701599, 701598, CT9752, CT9751, CT9750, CT9749, 701580, 701327, CT2085, 701010, CT9579, 700991, CT9578
Recommended use	Pharmaceutical
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer	
Company name	Eli Lilly and Company
Address	Lilly Corporate Center Indianapolis, IN 46285 United States
Telephone	Phone: +1-317-276-2000
E-mail	lilly_sds@lilly.com
Emergency phone number	CHEMTREC: +1-800-424-9300

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	The substance does not meet the criteria for classification.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Tirzepatide		2023788-19-2	1 - 3

Composition comments Remaining components of this product are non-hazardous and/or are present at concentrations below reportable levels.

4. First-aid measures

Inhalation	Remove to fresh air. If breathing stops, provide artificial respiration. Get medical attention immediately.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Immediately take off all contaminated clothing. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eye(s) with plenty of water. Get medical attention.
Ingestion	Consult a physician.
Most important symptoms/effects, acute and delayed	May cause nausea, decreased appetite, diarrhea, and vomiting. May cause decrease in blood sugar. Symptoms typically associated with low blood sugar may include shakiness, sweating, fatigue, hunger, irritability, confusion, and rapid heartbeat.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

5. Fire-fighting measures

Suitable extinguishing media	Carbon dioxide, dry chemical or water.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Hazardous decomposition products formed under fire conditions.
Special protective equipment and precautions for firefighters	Wear self-contained breathing apparatus and protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear suitable protective clothing, gloves and eye/face protection. See Section 8 of the SDS for Personal Protective Equipment.
Methods and materials for containment and cleaning up	Stop the flow of material, if this is without risk. Use absorbent/adsorbent material to solidify liquids. Clean surface thoroughly to remove residual contamination.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. See Section 8 of the SDS for Personal Protective Equipment.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed in a dry and well-ventilated place.

8. Exposure controls/personal protection

Occupational exposure limits

Lilly (LEG)

Components

	Type	Value
Tirzepatide (CAS 2023788-19-2)	TWA (12hrs)	60 ug/m3
	TWA (8hrs)	90 ug/m3

Biological limit values	No biological exposure limits noted for the ingredient(s).
Exposure guidelines	Health Based Excursion Limit: Maintain Full Shift TWA
Appropriate engineering controls	Open handling is not recommended. Use appropriate control measures such as fume hood, ventilated enclosure, local exhaust ventilation, or down-draft booth.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Safety glasses with side shields recommended. If splash potential or dusty operations, wear goggles/faceshield.
Skin protection	
Hand protection	Chemical resistant gloves.
Other	Chemical-resistant gloves and impermeable body covering to minimize skin contact.
Respiratory protection	If the applicable occupational exposure level (OEL) is anticipated to be exceeded, wear an approved respirator with sufficient protection factor to control exposure below the OEL.

General hygiene considerations

Tirzepatide is an active pharmaceutical ingredient with a therapeutic dose in humans at or below 1 mg/day.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Aqueous Solution
Color	Clear. Colorless.
Odor	Odorless
Odor threshold	Not available.
pH	> 6.5 - < 7.5
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	No data available for this product.

Upper/lower flammability or explosive limits

Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.

Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.

Solubility(ies)

Solubility (water)	Soluble.
Partition coefficient (n-octanol/water)	Not available.

Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

Other information

Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	Not water reactive.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing substances.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions.

11. Toxicological information

Information on toxicological effects

Acute toxicity	Not expected to be active orally.
Skin corrosion/irritation	Due to lack of data the classification is not possible.
Serious eye damage/eye irritation	Due to lack of data the classification is not possible.
Respiratory or skin sensitization	
Respiratory sensitization	Due to lack of data the classification is not possible.
Skin sensitization	Due to lack of data the classification is not possible.

Germ cell mutagenicity	Negative In vivo micronucleus test: (Tirzepatide) Based on available data, the classification criteria are not met.
Carcinogenicity	Not listed by IARC, NTP, ACGIH or OSHA. In a 2-year carcinogenicity study in rats, Tirzepatide caused statistically significant dose-related increases in the incidence of thyroid C-cell tumors (adenomas and carcinomas combined) following twice weekly subcutaneous administration. The human relevance of these findings is currently unknown. Thyroid C-cell changes were not reported in monkeys or in a 6-month carcinogenicity study in transgenic mice. Based on available data, the classification criteria are not met.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Not listed.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)	
Not listed.	
US. National Toxicology Program (NTP) Report on Carcinogens	
Not listed.	
Reproductive toxicity	Animal testing did not show any effects on fertility. Developmental effects have been reported at doses toxic to the mother. (Tirzepatide) Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	No target organ toxicity identified through animal studies. (Tirzepatide) Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure	No target organ toxicity identified through animal studies. (Tirzepatide) Based on available data, the classification criteria are not met.
Aspiration hazard	Not applicable.
Further information	May cause nausea, decreased appetite, diarrhea, and vomiting. May cause decrease in blood sugar. Symptoms typically associated with low blood sugar may include shakiness, sweating, fatigue, hunger, irritability, confusion, and rapid heartbeat.

12. Ecological information

Ecotoxicity	Due to lack of data the classification is not possible.
Persistence and degradability	Readily biodegradable. (Tirzepatide)
Bioaccumulative potential	No data available on bioaccumulation.
Mobility in soil	Not available.
Other adverse effects	Not available.

13. Disposal considerations

Disposal instructions	Dispose in accordance with all applicable regulations.
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14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not available.
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15. Regulatory information

US federal regulations	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**SARA 313 (TRI reporting)**

Not regulated.

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.**US state regulations****California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision**Issue date** 11-08-2023**Version #** 01

List of abbreviations

ACGIH: American Conference of Governmental Industrial Hygienists.
 DOT: Department of Transportation (49 CFR 172.101)
 IATA: International Air Transport Association.
 IARC: International Agency for Research on Cancer.
 IMDG Code: International Maritime Dangerous Goods Code.
 LEG: Lilly Exposure Guideline.
 NTP: National Toxicology Program.
 OSHA: Occupational Safety & Health Administration.
 PEL: Permissible Exposure Limit.
 STEG: Short Term Exposure Guideline.
 TWA: Time Weighted Average Value.

Disclaimer

As of the date of issuance, we are providing available information relevant to the handling of this material in the workplace. All information contained herein is offered with the good faith belief that it is accurate. THIS SAFETY DATA SHEET SHALL NOT BE DEEMED TO CREATE ANY WARRANTY OF ANY KIND (INCLUDING WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE). In the event of an adverse incident associated with this material, this safety data sheet is not intended to be a substitute for consultation with appropriately trained personnel. Nor is this safety data sheet intended to be a substitute for product literature which may accompany the finished product.

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Revision information Product and Company Identification: Synonyms