SAFETY DATA SHEET

US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Issuing Date 23-Mar-2023 **Revision Date** 23-Mar-2023 **Revision Number** 1.01

1. Identification

Product identifier

Product Name Ginger Spice

Other means of identification

Product Code(s) Fragrances

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Air freshener

Restrictions on use No information available

Details of the supplier of the safety data sheet

Manufacturer Address
Rexair LLC
2600 West Big Beaver Rd
Suite 555
Troy, MI 48084 USA
248-643-7222

E-mail webmaster@rexairllc.com

Emergency telephone number

Emergency telephone 1-800-255-3924 (ChemTel)
8AM-5PM Monday-Friday

2. Hazard(s) identification

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1A

Label elements

Warning

Hazard statements
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust, fume, gas, mist, vapors and spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves, eye protection and face protection.
Eyes
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 and attention.
Skin
IF ON SKIN: Wash with plenty of water and soap. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice and attention.
Precautionary Statements - Disposal
Dispose of contents and container to an approved waste disposal plant.

Other information
Harmful to aquatic life

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Hexylene glycol	107-41-5	10 - 20	-	-
Cinnamaldehyde	104-55-2	1 - 5	-	-
Dipropylene glycol monomethyl ether	34590-94-8	1 - 5	-	-
Vanillin	121-33-5	1 - 5	-	-
Piperonal	120-57-0	1 - 5	-	-
Ethyl vanillin	121-32-4	1 - 5	-	-
Coumarin	91-64-5	1 - 5	-	-

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

4. First-aid measures

Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and

persists.

Skin contact May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. Wash off immediately with soap and plenty of water for at least 15 minutes.

Ingestion Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation.

Effects of Exposure No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing media High volume water jet.

Specific hazards arising from the chemical Product is or contains a sensitizer. May cause sensitization by skin contact.

Hazardous combustion products Carbon oxides.

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other information Refer to protective measures listed in Sections 7 and 8.

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 Dam up. Soak up with inert absorbent material. 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. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection

Control parameters

Exposure Limits The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Hexylene glycol 107-41-5	STEL: 50 ppm vapor fraction STEL: 10 mg/m³ inhalable particulate matter, aerosol only TWA: 25 ppm vapor fraction	(vacated) Ceiling: 25 ppm (vacated) Ceiling: 125 mg/m³	Ceiling: 25 ppm Ceiling: 125 mg/m³
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 50 ppm	TWA: 100 ppm TWA: 600 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m³ (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m³ (vacated) S* S*	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m³ STEL: 150 ppm STEL: 900 mg/m³

Chemical name	Alberta	British Columbia	Ontario	Quebec
Hexylene glycol 107-41-5	Ceiling: 25 ppm Ceiling: 121 mg/m³	Ceiling: 25 ppm	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m³	Ceiling: 25 ppm Ceiling: 121 mg/m³
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 100 ppm TWA: 606 mg/m³ STEL: 150 ppm STEL: 909 mg/m³ Skin	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm STEL: 150 ppm Skin	TWA: 100 ppm TWA: 606 mg/m³ STEL: 150 ppm STEL: 909 mg/m³ Skin

Chemical name	Manitoba	New Brunswick	Newfoundland and Labrador	Nova Scotia
Hexylene glycol	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m³	Ceiling: 25 ppm	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m³	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m³
Dipropylene glycol monomethyl ether	TWA: 50 ppm	TWA: 100 ppm STEL: 150 ppm Skin	TWA: 50 ppm	TWA: 50 ppm

Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
Hexylene glycol	Ceiling: 25 ppm	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m³	Ceiling: 25 ppm	
Dipropylene glycol monomethyl ether	TWA: 100 ppm STEL: 150 ppm Skin	TWA: 50 ppm	TWA: 100 ppm STEL: 150 ppm Skin	

Appropriate engineering controls

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).
Hand protection	Wear suitable gloves. Impervious gloves.
Skin and body protection	Wear suitable protective clothing. Long sleeved clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Liquid
Physical state	Liquid
Color	Clear
Odor	No information available
Odor threshold	No information available

Property	**Values**	**Remarks • Method**
pH		None known
Melting point / freezing point		No data available
Initial boiling point and boiling range		No data available
Flash point		None known
Evaporation rate		No data available
Flammability		No data available
Flammability Limit in Air		
Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
Vapor pressure		No data available
Vapor density		No data available
Relative density		No data available
Water solubility		No data available
Solubility(ies)		No data available
Partition coefficient		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Kinematic viscosity		No data available
Dynamic viscosity		None known

Other information

Explosive properties	No information available.
Oxidizing properties	No information available.
Softening point	No information available

Molecular weight	No information available
VOC content	0%
VOC	0%
Liquid Density	No information available
Bulk density	No information available

10. Stability and reactivity

Reactivity None under normal use conditions.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid None known based on information supplied.

Incompatible materials Acids, Bases, Metals, Oxidizing or reducing agents, Metal salts, Isocyanates.

Hazardous decomposition products Carbon oxides, Aldehydes.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Skin contact Specific test data for the substance or mixture is not available. May cause sensitization by skin contact. Causes skin irritation. (based on components). Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.

Acute toxicity .

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document:

ATEmix (oral)	14,287.30 mg/kg
ATEmix (dermal)	16,958.90 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hexylene glycol	= 3700 mg/kg (Rat)	= 12300 mg/kg (Rabbit)	-
Cinnamaldehyde	= 2220 mg/kg (Rat)	= 1260 mg/kg (Rabbit)	-

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Dipropylene glycol monomethyl ether	= 5.35 g/kg (Rat)	= 9500 mg/kg (Rabbit)	-
Vanillin	= 1580 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	-
Piperonal	= 2700 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
Ethyl vanillin	= 1590 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Coumarin	> 5000 mg/kg (Rat)	= 293 mg/kg (Rat)	-

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

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Coumarin 91-64-5	-	Group 3	-	-

Legend

IARC (International Agency for Research on Cancer)
Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

12. Ecological information

Ecotoxicity Harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Hexylene glycol 107-41-5	-	LC50: 10500 - 11000mg/L (96h, Pimephales promelas) LC50: =10000mg/L (96h, Lepomis macrochirus) LC50: =8690mg/L (96h, Pimephales promelas) LC50: =10700mg/L (96h, Pimephales promelas)	-	EC50: 2700 - 3700mg/L (48h, Daphnia magna)
Dipropylene glycol monomethyl	-	LC50: >10000mg/L	-	LC50: =1919mg/L (48h,

ether 34590-94-8		(96h, Pimephales promelas)		Daphnia magna)
Vanillin 121-33-5	-	LC50: 53 - 61.3mg/L (96h, Pimephales promelas) LC50: =88mg/L (96h, Pimephales promelas) LC50: =57mg/L (96h, Pimephales promelas)	-	-
Piperonal 120-57-0	-	LC50: =2.5mg/L (96h, Cyprinus carpio)	-	-
Ethyl vanillin 121-32-4	-	LC50: 81.4 - 94.3mg/L (96h, Pimephales promelas)	-	-

Persistence and degradability No information available.

Bioaccumulation

Component Information

Chemical name	Partition coefficient
Hexylene glycol 107-41-5	0.14
Cinnamaldehyde 104-55-2	2.1065
Dipropylene glycol monomethyl ether 34590-94-8	0.35
Vanillin 121-33-5	1.23
Piperonal 120-57-0	1.2
Ethyl vanillin 121-32-4	1.61

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations, Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. Transport information

DOT Not regulated

TDG Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory information

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

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories
Contact supplier for inventory compliance status
*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or 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 %
Dipropylene glycol monomethyl ether - 34590-94-8	1.0

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Dipropylene glycol 25265-71-8	-	-	X
Hexylene glycol 107-41-5	X	X	X
Dipropylene glycol monomethyl ether 34590-94-8	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA	**Health hazards** 2	**Flammability** 0	**Instability** 0	**Special hazards** -
HMIS	**Health hazards** 2	**Flammability** 0	**Physical hazards** 0	**Personal protection** X

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Key literature references and sources for data used to compile the SDS

U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Issuing Date 23-Mar-2023

Revision Date 23-Mar-2023

Revision Note Initial Release.

Disclaimer

The information provided in this 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