

Safety Data Sheet

Dipropylene Glycol

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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name: Dipropylene Glycol

UFI#

1.2 Relevant identified product use

Intended use: Compound used in customer substance/mixture/product

1.3 Details of the manufacturer/supplier of the safety data sheet

Supplier: Natures Garden Fragrances
42109 State Route 18
Wellington, OH 44090
440-647-0100 FAX: 440-647-2200
<http://www.naturesgardencandles.com>

1.4 Emergency telephone number

440-647-0100 Domestic USA, Canada, Puerto Rico, and US Virgin Islands

01 440-647-0100 International

2. Hazards Identification

Physical Hazards – Not classified

Health Hazards – Not classified

Environmental 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	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

Hazards (s) Not Otherwise Classified (HNOC) – None known

Supplemental Information – None

3. Composition/Information on Ingredients

Substances

Chemical Name	Common Name and Synonyms	CAS Number	%
Oxydipropanol		25265-71-8	100

* Designates that a specific chemical identify and or percentage of composition has been withheld as a trade secret.

4. First Aid Measures

Inhalation:	Move to fresh air. Call a physician if symptoms develop or persist.
Skin Contact:	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye Contact:	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion:	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed:	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed:	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-Fighting Measures**Extinguishing media**

Suitable:	Water fog. Foam. Dry chemical powder. Carbon dioxide CO ₂
Unsuitable:	Do not use water jet to extinguish, as this will spread the fire.

Special hazards arising from the chemical

During firefighting:	Gases hazardous to health may be formed.
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Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire

Fire-fighting equipment / instructions

Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

No unusual fire or explosion hazards noted

6. Accidental Release Measures**Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. For personal protection, see section 8 of the SDS

Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent materials (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

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2016-06-27**Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

7. Handling and Storage**Precautions for safe handling**

Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS.)

8. Exposure Controls/Personal Protection**Occupational exposure limits**

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

The following are recommendations for Personnel Protective Equipment (PPE). The employer/user of this product must perform a Hazard Assessment of the workplace according to OSHA regulations 29 CFR 1910.132 to determine the appropriate PPE for use while performing any task involving potential exposure to this product.

Eye / face protection: Wear safety glasses with side shields (or goggles).**Skin protection:****Hand protection:**

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Other:

Wear suitable protective clothing.

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards:

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and Chemical Properties**Appearance**

Physical State	Liquid
Form	Liquid
Color	Colorless
Odor	Odorless
Odor Threshold	Not available
pH	Not available
Melting Point / Freezing Point	Not available
Initial Boiling Point and Boiling Range	446° F (230° C)
Flash Point	270.0° F (132.2° C)

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Evaporation Rate:	Not available
Flammability (solid, gas)	Not applicable
Upper/lower Flammability or Explosive Limits	
Flammability limit – lower (%)	Not available
Flammability limit – upper (%)	Not available
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)	Not available
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Other Information	
Density	8.53 lbs/gal
Dynamic viscosity	107mPa.s (68° F(20° C))
Explosive properties	Not explosive
Flammability class	Combustible III B estimated
Molecular formula	C6-H14-O3
Molecular weight	134.18 g/mol
Oxidizing properties	Not oxidizing
Percent volatile	100%
Specific gravity	1.02
VOC	100%
	100% EPA estimated

10. Stability and Reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	None known under conditions of normal use
Conditions to avoid	Contact with incompatible materials
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	None known

11. Toxicological Information

Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected
Skin Contact	No adverse effects due to skin contact are expected
Eye Contact	Direct contact with eyes may cause temporary irritation
Ingestion	Expected to be a low ingestion hazard

Symptoms related to the physical, chemical and toxicological characteristics:
Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity	Not available
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Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation
Serious eye damage/ irritation	Direct contact with eyes may cause temporary irritation
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA
IARC Monographs, Overall Evaluation of Carcinogenicity	
Not Listed	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
Not Regulated	
US National Toxicology Program (NTP) Report on Carcinogens	
Not Listed	
Reproductive Toxicity	This product is not expected to cause reproductive or developmental effects
Specific target organ toxicity – single exposure	Not classified
Specific target organ toxicity – repeated exposure	Not classified
Aspiration hazard	Not an aspiration hazard

12. Ecological Information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Conditions

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused product	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

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Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

DOT

Not regulated as dangerous goods.
DOT information on packaging may be different from that listed.

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.

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 1910.1001-1050)

Not regulated

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard – No

Delayed Hazard – No

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard – No

SARA 302 Extremely hazardous substance

Not listed

SARA 311/312 Hazardous Chemical No

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

US California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed

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US Massachusetts RTK – Substance List

Not regulated

US New Jersey Worker and Community Right-to-Know Act

Not listed

US Pennsylvania Worker and Community Right-to-Know Law

Oxydipropanol (CAS 25265-71-8)

US Rhode Island RTK

Not regulated

US 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.

International Inventories

<u>Country(s) or region</u>	<u>Inventory name</u>	<u>On inventory (yes/no)*</u>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
U.S. & Puerto Rico	Toxic Substances Control Act (TSCA) inventory	Yes

*A "Yes" indicated 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 listed on the inventory administered by the governing country(s).

16. Other Information

Issue Date: 04/05/2015

Revision Date: 06/27/2016

Version#: 03

HMIS Ratings:
 Health: 0
 Flammability: 0
 Physical hazard: 0

NFPA Ratings:
 Health: 0
 Flammability: 1
 Instability: 0

Department issuing data sheet:

Department E-mail address: info@naturesgardencandles.com

Remarks

This safety data sheet is based on the properties of the material known to Natures Garden Fragrances™ at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment Natures Garden Fragrances™ holds no responsibility. This document is not intended for quality assurance purposes.