# SAFETY DATA SHEET

# **BEDOUKIAN**

1. Identification

Product identifier VIONIL™ (10% IN DIPROPYLENE GLYCOL)

Other means of identification

BRI Product Code 640DPG

Synonyms 2,6-Nonadienenitrile in DPG \* 2,6-Nonadienenitrile [67019-89-0] (10% in Propanol, oxybis-

[25265-71-8])

Recommended use fragrance

For Manufacturing Use Only

**Recommended restrictions** Not for use in Tobacco or Nicotine delivery device applications and/or products.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Bedoukian US

Address 6 Commerce Drive

Danbury, CT 06810

**United States** 

Telephone 1-203-830-4000 **Website** www.bedoukian.com

E-mail customerservice@bedoukian.com

Contact person Joseph Bania

Emergency phone number Chemtrec (North America) 1-800-424-9300

Chemtrec (International) 1-703-527-3887

# 2. Hazard(s) 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 mixture 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.

Hazard(s) not otherwise

classified (HNOC)

None known.

**Supplemental information** 10% of the mixture consists of component(s) of unknown acute inhalation toxicity. 10% of the

mixture consists of component(s) of unknown acute hazards to the aquatic environment. 10% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

## 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
Dipropylene Glycol		25265-71-8	90
VIONIL™ (NEAT)	2,6-Nonadienenitrile e,z-2,6-Nonadienenitrile Violet nitrile	67019-89-0	10

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% **CAS** number Chemical name Common name and synonyms synthetic alpha tocopherol 10191-41-0 0.01

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

**Composition comments** Occupational Exposure Limits for stabilizers are listed in Section 8.

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.

Eve contact Rinse with water. Get medical attention if irritation develops and persists.

Rinse mouth. Get medical attention if symptoms occur. Ingestion Most important Direct contact with eyes may cause temporary irritation.

symptoms/effects, acute and

delayed

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

During fire, gases hazardous to health may be formed.

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Specific hazards arising from the chemical

Special protective equipment

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

and precautions for firefighters Fire fighting

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

equipment/instructions

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

General fire hazards

Specific methods

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. 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 material (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. For waste disposal, see section 13 of the SDS.

**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). Store away from incompatible materials (see Section 10 of the SDS). Recommended Packaging: Glass, Plastic, Aluminum or Phenolic Lined Steel. Store tightly sealed under inert gas in a cool, well-ventilated area.

8. Exposure controls/personal protection

Occupational exposure limits **Biological limit values** 

This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.

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

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Wear appropriate chemical resistant gloves. Select suitable chemical resistant protective gloves **Hand protection** 

(EN 374) with a protective index 6 (>480min permeation time).

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. Color slightly yellow

Odor mandarin orange-like odor.

**Odor threshold** Not available. Not available. Not available. Melting point/freezing point

Initial boiling point and boiling

range

440.6 °F (227 °C) estimated

223 °F (106 °C) Closed Cup Flash point

**Evaporation rate** Not available. Not applicable. Flammability (solid, gas) Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

Flammability limit - upper

Not available

(%)

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

0.007 mm Hg estimated Vapor pressure Vapor density > 1 Relative to air; air = 1

Relative density Not available.

Solubility(ies)

Not available. Solubility (water) **Partition coefficient** Not available.

(n-octanol/water)

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

Other information

0.998 - 1.004 a/cm3 Density Not explosive. **Explosive properties** 

Flammability class Combustible IIIB estimated

Oxidizing properties Not oxidizing 90 % estimated Percent volatile Specific gravity 0.998 - 1.004 at 25°C VOC 90 % estimated

## 10. Stability and reactivity

**Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials.

**Incompatible materials** Strong oxidizing agents.

Hazardous decomposition

products

No hazardous decomposition products are known.

## 11. Toxicological information

## Information on likely routes of exposure

InhalationNo adverse effects due to inhalation are expected.Skin contactNo adverse effects due to skin contact are expected.Eye contactDirect 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 known.

Components Species Test Results

VIONIL™ (NEAT) (CAS 67019-89-0)

Acute Dermal

LD50 Rat

> 2000 mg/kg

Inhalation

Mist

LC50 Rat > 5.4 mg/l OECD 403

Oral

Liquid LD50

> 5000 mg/kg Result for similar material

2-Tridecenenitrile.

Rat

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

Irritation Corrosion - Skin

VIONIL™ (NEAT)

100 % OECD 404

Result: Not irritating

Result: Not irritating. Species: Rabbit Organ: Skin Notes: RIFM

4.5 % Patch test, Vehicle Ethanol:Diethyl phthalate (1:3).

Result: No irritation observed.

Species: Human Organ: Skin Notes: RIFM

**Serious eye damage/eye** Direct contact with eyes may cause temporary irritation.

irritation

**Irritation Corrosion - Eye** 

VIONIL™ (NEAT) 100 % OECD 405

Result: Not irritating. Species: Rabbit Organ: Eye Notes: RIFM

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<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Skin sensitization

VIONIL™ (NEAT) 25 - 100 % OECD 429, Vehicle Acetone:Olive oil (4:1)

Result: Not sensitizing. Species: Mouse Organ: Skin

4.5 % Patch test, Vehicle Ethanol:Diethyl phthalate (1:3).

Result: Not sensitizing. Species: Human Organ: Skin

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Germ cell mutagenicity: Ames test

VIONIL™ (NEAT) 5 - 5000 µg/plate OECD 471, Strains TA 1535, TA 1537, TA

98, TA 100 with and without metabolic activation. Vehicle

DMSO.

Result: Not mutagenic.

Species: Salmonella typhimurium

Germ cell mutagenicity: Chromosome abberation

VIONIL™ (NEAT) **OECD 473** 

Result: Not mutagenic.

Carcinogenicity Not classifiable as to carcinogenicity to humans.

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.

This product is not expected to cause reproductive or developmental effects. Reproductive toxicity

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

The product is not classified as environmentally hazardous. However, this does not exclude the **Ecotoxicity** 

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components Species **Test Results** 

Dipropylene Glycol (CAS 25265-71-8)

Aquatic

Acute

EC50 Crustacea Daphnia > 1000 mg/l, 48 hours

\* Estimates for product may be based on additional component data not shown.

No data is available on the degradability of this product. Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation-ready)

VIONIL™ (NEAT) OECD 301F, 100 mg/L. 10-day criteria fulfilled.

Result: Readily biodegradable.

Species: Activated sludge of a predominantly domestic

sewage

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Dipropylene Glycol -0.462 EU Method A.8, at 21.7°C

## Partition coefficient n-octanol / water (log Kow)

VIONIL™ (NEAT)

2.862, US EPA. 2014. Estimation Programs Interface Suite™ for Microsoft® Windows, v 4.11. US EPA, Washington, DC,

USA.

Mobility in soil No data available.

The product contains volatile organic compounds which have a photochemical ozone creation Other adverse effects

potential.

## 13. Disposal considerations

**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

products

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).

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.

IATA

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

Transport in bulk according to Not established.

Annex II of MARPOL 73/78 and

the IBC Code

# 15. Regulatory information

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard **US federal regulations** 

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)

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

No

chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

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

Not regulated.

Safe Drinking Water Act

(SDWA)

Not regulated.

Inventory name

US state regulations 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**

Country(s) or region

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)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Toxic Chemical Substances (TCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

<sup>\*</sup>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 date12-December-2022Revision date15-April-2024

Version # 02

**Disclaimer**Bedoukian US cannot anticipate all conditions under which this information and its product, or the

products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the

sheet was written based on the best knowledge and experience currently available.

**Revision information** Physical & Chemical Properties: Multiple Properties

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On inventory (yes/no)\*