



The eScential Group

Flavors. Fragrances. Essential Oils

TECHNICAL DATA SHEET

NATURAL ORANGE FLAVOR WONF

PRODUCT NAME: Natural Orange Flavor WONF

REVISION DATE: 11/1/2024

PRODUCT CODE: 15-4730-FL

VERSION #: 1

SOLUBILITY: Water Soluble

INGREDIENT DECLARATION: Ethanol, Natural Flavor

APPLICATION RATE: 0.2% to 0.3% application rate recommended as a starting point. Adjust as appropriate for desired strength.

PROPERTIES:

ALCOHOL BY VOLUME: 88% to 95%

FLAVOR PROFILE: Characteristic

COLOR: Colorless to Yellow

APPEARANCE: Liquid

SPECIFIC GRAVITY (d_{20/20}): 0.801 to 0.829

SPECIFIC GRAVITY (d_{25/25}): 0.798 to 0.826

REFRACTIVE INDEX (n_{D20}): 1.355 to 1.375

FLASH POINT: 15°C, 59°F

STORAGE / SHELF LIFE:

STORAGE: Store product in full, tightly closed containers in a cool dry place.

STABILITY / SHELF LIFE: Stable for one year when stored under recommended conditions; retest after one year for acceptability.

Print Date: April 14, 2025

This document is generated electronically and is valid without signature.

8 MARLEN DRIVE, HAMILTON, NEW JERSEY 08691– TEL 732-677-1100
E-MAIL: INFO@ESSENTIALGROUP.COM – WEBSITE: WWW.ESSENTIALGROUP.COM

SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

Product: Natural Orange Flavor WONF 15-4730-FL

Version: 1

1. IDENTIFICATION

Product Identifier

Product identifier: Natural Orange Flavor WONF

Other identifiers: None

Recommended use of the chemical and restrictions on use

Product uses: Flavours

Uses advised against: Fragrances

Supplier Details

Company name: The eScential Group

Company address: 8 Marlen Drive
Hamilton NJ 08691
USA

Contact: Regulatory Affairs

E-Mail address: regulatory@globalessence.com

Company phone: 732-677-1100

Emergency telephone number

Emergency phone: INFOTRAC 1-800-535-5053

2. HAZARD IDENTIFICATION

Classification

This product is classified under 29CFR 1910.1200(d) as follows:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Class and category of danger: Flammable Liquid, Hazard Category 2
Eye Damage / Irritation Category 2

Signal word: Danger

Hazard statements: Highly flammable liquid and vapour.
Causes serious eye irritation.

M factor: None

Pictograms:



Precautionary statements: Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

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Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical, ventilating and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wash hands and other contacted skin thoroughly after handling.
Wear protective gloves/eye protection/face protection.
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
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/attention.
In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container to approved disposal site, in accordance with local regulations.

Hazards not otherwise classified (HNOC) None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Product identifier: Natural Orange Flavor WONF

Contains:

Name	CAS	%	GHS Classification
Ethyl alcohol	64-17-5	50-100%	Flam. Liq. 2-Eye Irrit. 2A;H225-H319

The exact percentage concentrations of components are being withheld as a trade secret.

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
Eye exposure: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin exposure: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
Ingestion: Rinse mouth with water and obtain medical attention.

Most important symptoms and effects, both acute and delayed

Causes serious eye irritation.

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Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

Specific hazards arising from the chemical

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

Protective Equipment and Precautions for Firefighters

In case of insufficient ventilation, wear suitable respiratory equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Other exposure guidelines

No information available

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Exposure controls

Engineering measures

Showers, eyewash stations, ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face and Skin Protection

Wear protective gloves/eye protection/face protection, and suitable 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. A NIOSH-approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Appearance:	Colorless to Yellow Liquid
Odor:	Characteristic
Odor threshold:	Not determined
pH:	Not determined
Melting point / freezing point:	Not determined
Initial boiling point / range:	Not determined
Flash point:	15 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Upper/lower flammability or explosive limits:	Product does not present an explosion hazard
Vapor pressure:	Not determined
Vapor density:	Not determined
Relative density:	0.8011 - 0.8291
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined

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Other information: None available

10. STABILITY AND REACTIVITY

Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

Chemical stability:

Good stability under normal storage conditions.

Possibility of hazardous reactions:

Not expected under normal conditions of use.

Conditions to avoid:

Avoid extreme heat.

Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

Hazardous decomposition products:

Not expected.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity:

Acute Toxicity Oral

Based on available data the classification criteria are not met.

Acute Toxicity Dermal

Not Applicable

Acute Toxicity Inhalation

Not Applicable

Not Available

Skin corrosion/irritation:

Based on available data the classification criteria are not met.

Serious eye damage/irritation:

Eye Damage / Irritation Category 2

Respiratory or skin sensitisation:

Based on available data the classification criteria are not met.

Germ cell mutagenicity:

Based on available data the classification criteria are not met.

Carcinogenicity:

Based on available data the classification criteria are not met.

Reproductive toxicity:

Based on available data the classification criteria are not met.

STOT-single exposure:

Based on available data the classification criteria are not met.

STOT-repeated exposure:

Based on available data the classification criteria are not met.

Aspiration hazard:

Based on available data the classification criteria are not met.

Additional Information

None available

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12. ECOLOGICAL INFORMATION

Ecotoxicity:

Toxic to aquatic life with long lasting effects.

Persistence and degradability: Not available

Bioaccumulative potential: Not available

Mobility in soil: Not available

Other adverse effects: Not available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

US DOT: Not Regulated (If shipped in NON BULK packaging by ground transport) according to 49 CFR 173.150(f)(1). This material can be reclassified as NA1993, Combustible liquid, NOS if it is shipped in bulk.

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class(es):	Sub Risk:	14.4. Packing Group:
UN Model Regulations	UN1197	EXTRACTS, LIQUID	3	-	II
US DOT	UN1197	EXTRACTS, LIQUID	3	-	II
US DOT (Bulk)	UN1197	EXTRACTS, LIQUID	3	-	II
IMDG	UN1197	EXTRACTS, LIQUID	3	-	II
ADR,RID,ADN	UN1197	EXTRACTS, LIQUID	3	-	II
IATA TI	UN1197	EXTRACTS, LIQUID	3	-	II

US DOT refers to domestic transport by road/rail within the 48 ground states

US DOT (Bulk) refers to domestic bulk transport by road/rail within the 48 ground states.

Environmental hazards: This is an environmentally hazardous substance.

Special precautions for user: None additional

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

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15. REGULATORY INFORMATION

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

None additional

Additional information

None additional

16. OTHER INFORMATION

Issue date: 03/27/2025

Version: 1 Version Date: 03/27/2025

Key to revisions:

Not applicable

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.